

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: P731616 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-70-7F-CV5**

Issue Date: 11/16/2023

Test Information

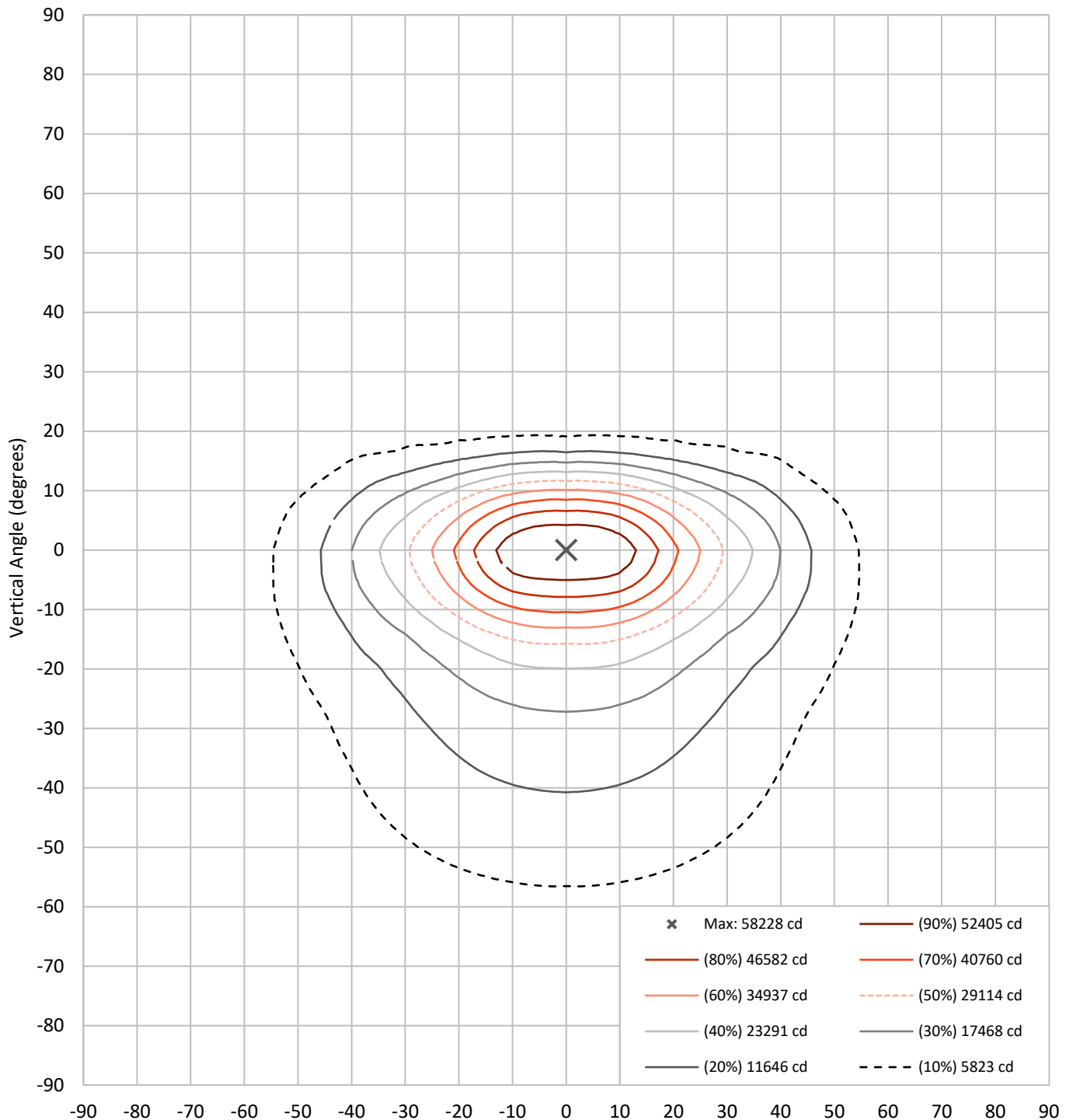
Test Method: LM-79-08
Report Number: P731616 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-42)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-70-7F-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 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:	39179.6 lumens	Max Intensity:	58228 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	56.2 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:	15466.6 lumens	Field Lumens:	34478.8 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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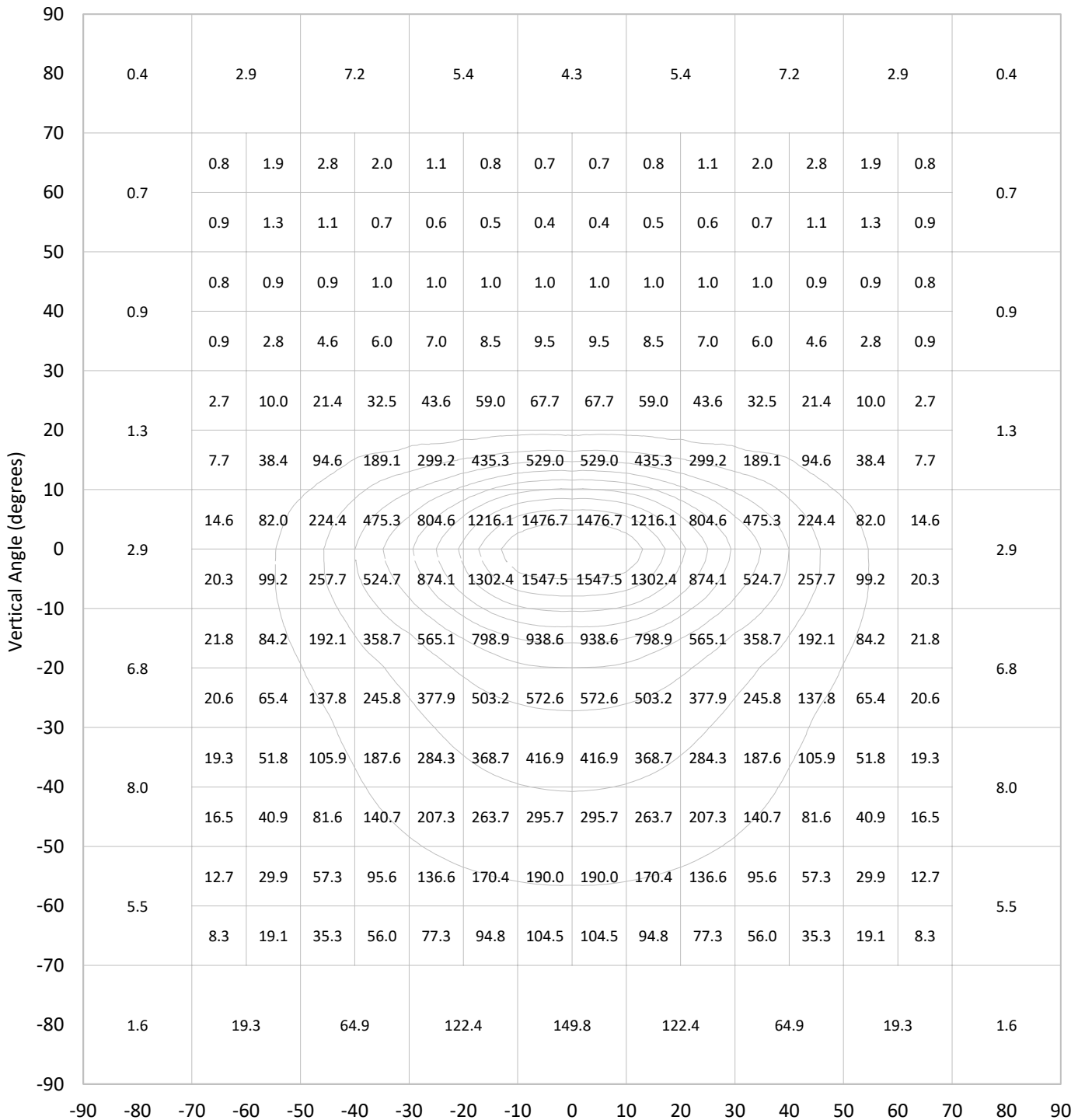
Iso-Candela Plot





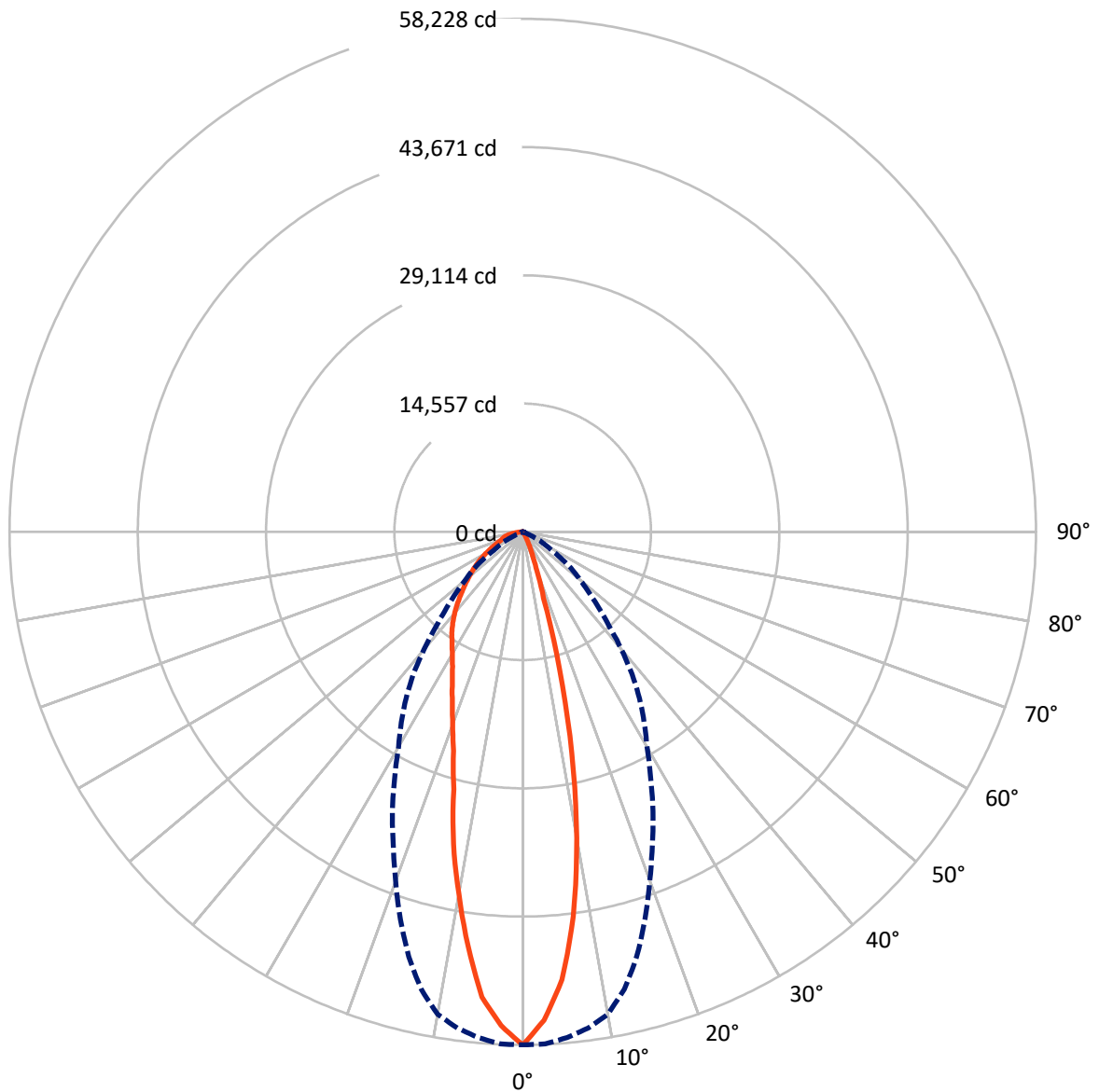
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Lumen Table



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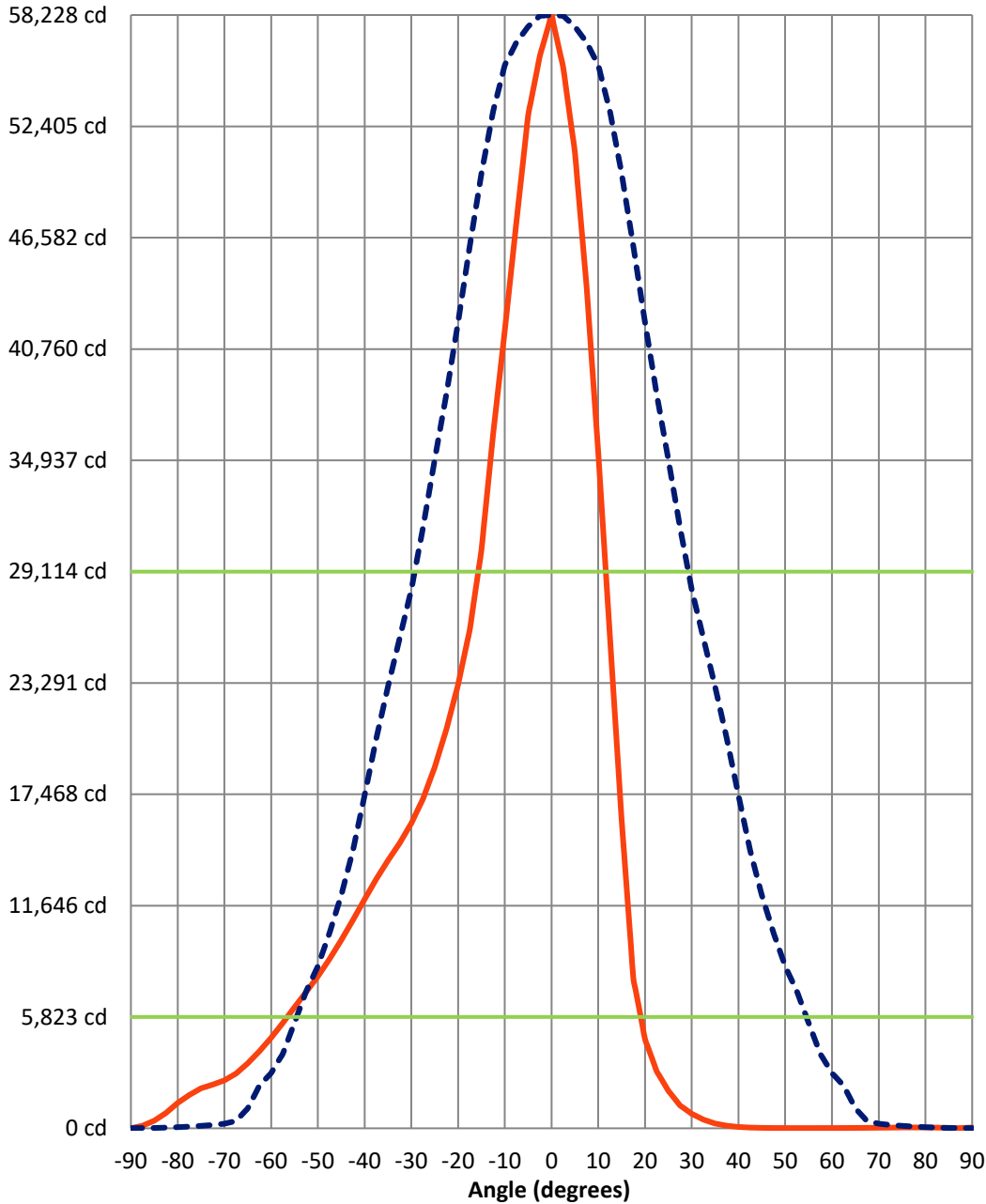
Luminous Intensity Polar Plot



— 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: 15466.6
 Efficiency: 39.5%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 34478.8
 Efficiency: 88.0%

Spill:
 Lumens: 4700.7
 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°	8.5	9.6	10.6	11.1	11.7	12.2	12.7	13.2	13.8	14.3	14.8
87.5°	8.5	8.9	9.4	10.1	10.9	11.8	12.9	13.1	13.2	13.1	12.9
85°	8.5	9.2	10.3	11.7	13.2	15.1	17.2	17.7	17.9	17.8	17.4
82.5°	8.5	9.6	11.2	13.2	15.6	18.4	21.5	22.3	22.8	24.4	27.4
80°	8.5	10.0	12.1	14.7	17.9	21.6	25.5	26.7	29.4	34.0	40.4
77.5°	8.5	10.3	13.0	16.3	20.2	24.0	27.5	30.7	35.8	43.3	50.7
75°	8.5	10.7	13.9	17.7	22.1	25.1	29.4	34.4	41.5	47.5	53.7
72.5°	8.5	11.0	14.7	19.2	22.4	26.0	31.1	37.3	43.5	49.9	56.6
70°	8.5	11.3	15.5	20.3	22.8	26.9	32.6	38.8	45.3	52.2	58.7
67.5°	8.5	11.7	16.3	20.2	23.0	27.6	33.9	40.2	47.1	53.8	60.6
65°	8.5	12.0	17.0	20.1	23.1	28.5	35.1	41.5	48.4	55.4	63.0
62.5°	8.5	12.3	17.8	19.9	23.2	29.7	36.3	42.6	49.7	57.1	66.6
60°	8.5	12.6	18.4	19.7	23.1	30.8	37.6	43.6	50.9	59.9	69.9
57.5°	8.5	12.8	18.3	19.4	24.1	31.9	38.9	44.7	52.7	62.3	71.1
55°	8.5	13.1	18.1	19.1	25.0	33.0	40.4	46.1	54.4	64.0	71.3
52.5°	8.5	13.3	18.0	18.7	25.9	34.1	41.9	48.0	55.8	64.1	71.4
50°	8.5	13.6	17.8	18.3	26.8	35.6	43.5	50.1	56.7	64.0	67.9
47.5°	8.5	13.8	17.7	18.1	27.6	37.0	45.2	52.1	56.5	63.8	64.4
45°	8.5	14.0	17.7	18.7	28.4	38.4	47.0	54.1	57.8	61.3	61.5
42.5°	8.5	14.2	17.6	19.2	29.2	39.9	48.7	55.8	59.4	59.1	58.6
40°	8.5	14.4	17.6	20.2	30.1	41.4	50.4	57.4	60.8	57.7	56.1
37.5°	8.5	14.5	17.6	21.3	31.2	42.9	52.2	59.0	62.0	59.2	54.1
35°	8.5	14.6	17.6	22.4	32.3	44.2	53.8	60.8	63.6	61.8	54.4
32.5°	8.5	14.8	17.6	23.5	33.3	45.5	55.4	62.7	65.8	65.8	65.1
30°	8.5	14.9	17.7	24.7	34.3	46.8	56.9	64.6	68.4	71.2	78.4
27.5°	8.5	14.9	17.7	25.8	36.5	47.9	58.4	66.6	72.0	77.8	94.2
25°	8.5	15.0	17.8	26.9	38.7	49.0	59.9	68.9	77.1	89.0	114.1
22.5°	8.5	15.1	17.9	28.0	41.0	50.9	61.4	71.4	82.9	103.3	178.9
20°	8.5	15.1	18.0	29.1	43.3	54.9	62.9	74.0	89.3	118.6	252.9
17.5°	8.5	15.1	18.2	30.2	45.6	59.1	68.3	76.7	96.1	134.8	334.2
15°	8.5	15.1	18.3	31.2	47.8	63.4	76.5	84.5	103.3	151.6	420.6
12.5°	8.5	15.1	18.4	32.2	49.9	67.8	85.1	98.8	119.9	168.7	509.8
10°	8.5	15.1	18.5	33.1	52.0	72.2	94.0	113.6	144.1	208.9	609.6
7.5°	8.5	15.0	18.7	33.9	54.0	76.6	103.0	128.7	168.7	253.2	728.4
5°	8.5	15.0	18.8	34.7	55.9	80.9	111.9	143.9	193.4	297.5	842.6
2.5°	8.5	14.9	18.9	35.4	57.6	85.0	120.7	158.9	217.6	341.1	949.2
0°	8.5	14.8	19.0	36.0	59.2	88.9	129.1	173.5	241.2	383.0	1045.2
-2.5°	8.5	15.1	20.5	40.4	69.2	108.2	162.8	229.1	325.6	499.3	1162.8
-5°	8.5	15.4	21.9	44.7	78.8	126.9	195.6	283.3	407.7	611.7	1267.1
-7.5°	8.5	15.7	23.3	48.7	88.1	144.9	227.1	335.4	486.4	718.6	1358.4
-10°	8.5	16.0	24.7	52.5	96.9	161.9	256.7	384.5	560.6	818.8	1436.9
-12.5°	8.5	16.2	26.0	56.1	105.0	177.8	284.2	429.9	629.1	907.1	1468.9
-15°	8.5	16.4	27.2	59.3	112.4	192.1	309.2	471.0	685.1	960.8	1475.8
-17.5°	8.5	16.6	28.3	62.2	119.0	204.9	331.1	506.6	727.8	1007.5	1476.0
-20°	8.5	16.8	29.3	64.6	124.6	215.8	351.8	537.5	765.5	1047.1	1470.6



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.5	17.0	30.2	66.7	129.3	224.8	372.7	564.0	797.7	1079.0	1461.0
-25°	8.5	17.1	31.0	68.2	132.8	236.3	390.4	585.9	824.4	1103.1	1448.0
-27.5°	8.5	17.2	31.7	69.3	135.3	247.4	404.9	602.7	845.1	1122.9	1467.9
-30°	8.5	17.2	32.3	69.8	136.9	256.0	416.0	614.5	861.7	1142.7	1479.6
-32.5°	8.5	17.3	32.7	69.9	141.4	262.1	423.5	625.0	872.6	1154.8	1481.1
-35°	8.5	17.2	33.0	69.3	144.2	265.6	429.4	631.9	876.6	1159.2	1472.5
-37.5°	8.5	17.2	33.1	68.2	145.3	267.2	432.3	633.8	873.5	1155.9	1424.4
-40°	8.5	17.1	33.1	66.5	144.7	267.8	431.2	630.8	863.3	1145.1	1374.1
-42.5°	8.5	17.0	32.9	64.9	143.7	265.6	426.1	622.8	851.7	1098.7	1316.6
-45°	8.5	16.9	32.6	63.8	142.3	260.6	417.0	610.7	836.6	1043.1	1252.6
-47.5°	8.5	16.7	32.1	61.8	139.5	252.9	404.0	594.6	814.3	982.9	1184.6
-50°	8.5	16.5	31.5	61.2	135.2	242.5	389.7	573.2	766.1	927.3	1111.1
-52.5°	8.5	16.2	30.7	60.6	129.4	229.5	372.1	546.7	715.0	866.7	1033.2
-55°	8.5	16.0	29.8	59.3	122.1	217.8	350.7	515.5	661.2	801.2	957.8
-57.5°	8.5	15.6	28.8	57.5	113.5	204.8	325.7	482.4	604.2	734.5	876.9
-60°	8.5	15.3	27.6	55.0	103.9	189.6	298.1	438.4	545.7	665.2	793.2
-62.5°	8.5	14.9	26.6	51.9	97.5	172.4	273.6	390.0	490.3	592.7	710.2
-65°	8.5	14.5	25.4	48.3	90.2	153.4	246.5	343.2	433.4	526.2	623.6
-67.5°	8.5	14.1	24.2	44.3	81.9	136.1	216.9	302.2	375.0	460.4	545.6
-70°	8.5	13.7	22.9	39.7	72.8	120.9	185.0	260.5	327.9	393.1	470.7
-72.5°	8.5	13.2	21.6	36.4	63.0	104.5	159.2	218.1	280.5	340.6	398.3
-75°	8.5	12.7	20.1	33.2	52.4	86.9	132.9	180.2	232.4	287.7	341.0
-77.5°	8.5	12.2	18.6	29.8	45.4	68.5	105.4	143.0	185.3	233.0	283.1
-80°	8.5	11.7	17.1	26.2	39.0	55.2	76.7	104.8	137.0	173.7	214.6
-82.5°	8.5	11.2	15.5	22.6	32.3	44.8	59.8	72.5	87.8	113.1	141.6
-85°	8.5	10.6	13.9	18.8	25.5	34.0	44.3	52.9	62.1	72.0	82.5
-87.5°	8.5	10.1	12.3	15.0	18.6	23.2	28.6	33.1	38.0	43.2	48.7
-90°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5



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 CATALOG NUMBER: EPH-LS-08-0680N-40-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	15.3	15.9	16.4	16.9	18.5	20.1	21.7	23.3	26.0	28.6	31.3
87.5°	13.8	14.8	15.9	17.0	16.2	15.3	14.2	13.0	13.9	14.9	16.0
85°	19.1	21.1	23.8	26.1	25.9	26.0	26.4	27.1	28.9	30.4	31.6
82.5°	31.0	33.8	35.8	37.0	39.0	41.5	44.8	49.8	52.6	54.4	55.5
80°	44.3	46.7	48.5	52.1	58.3	65.6	73.6	82.1	85.0	85.3	84.4
77.5°	53.1	56.6	62.4	70.3	79.8	89.0	98.9	109.5	112.5	111.8	110.3
75°	58.8	65.8	74.4	85.2	96.7	108.5	120.9	132.4	135.6	132.2	127.7
72.5°	63.4	72.4	84.0	98.2	111.1	123.1	136.0	149.6	154.3	146.9	137.7
70°	66.5	78.0	92.0	106.8	121.6	134.6	146.7	159.8	167.2	154.7	136.4
67.5°	69.1	83.4	98.5	113.9	127.2	139.7	153.3	157.5	159.3	140.3	120.7
65°	73.0	88.2	102.1	115.7	130.0	134.1	137.0	139.9	136.9	115.2	93.9
62.5°	76.8	89.4	102.7	113.2	116.6	118.7	116.3	110.6	103.1	88.1	70.6
60°	78.0	89.1	97.7	100.9	101.8	97.5	90.8	84.0	76.1	63.7	51.7
57.5°	78.4	84.0	87.3	88.0	83.9	76.9	70.3	61.6	54.9	47.1	37.4
55°	76.5	75.4	76.9	74.3	68.5	61.0	53.3	47.3	39.5	34.8	29.2
52.5°	71.2	68.2	66.8	62.6	56.0	49.2	42.9	37.1	32.6	27.5	23.9
50°	66.5	62.5	58.1	52.9	47.9	43.4	36.2	32.2	28.3	24.4	21.3
47.5°	62.2	57.4	50.8	46.5	46.0	43.2	36.2	30.0	26.6	26.5	23.6
45°	58.3	54.3	46.7	47.6	48.9	48.8	43.9	29.4	32.7	33.3	31.7
42.5°	55.0	53.4	55.5	50.5	58.5	62.9	59.0	49.2	43.7	48.6	50.5
40°	55.5	54.7	73.1	72.7	73.8	85.2	90.8	83.7	64.4	76.4	81.9
37.5°	57.6	76.8	99.8	107.3	100.6	120.2	132.1	140.2	125.0	115.2	132.2
35°	61.2	104.5	138.8	154.8	155.7	167.0	197.7	210.3	200.2	184.9	198.5
32.5°	80.0	137.6	184.9	212.1	237.2	248.9	276.2	289.2	300.2	300.3	294.4
30°	119.7	181.4	238.4	275.6	335.9	390.8	378.8	381.7	422.1	463.3	483.3
27.5°	187.5	235.6	298.1	365.2	457.4	564.0	583.1	529.0	584.0	660.2	727.8
25°	272.8	399.4	361.6	472.1	625.5	773.4	852.1	889.5	814.3	925.1	1084.8
22.5°	390.8	607.2	609.1	588.6	814.4	1021.2	1215.0	1400.6	1496.7	1376.2	1542.4
20°	549.9	829.3	918.8	1018.2	1097.0	1303.0	1637.4	2042.6	2413.5	2623.5	2527.2
17.5°	732.5	1071.8	1277.2	1543.1	1805.8	1918.2	2131.3	2794.6	3514.8	4127.9	4457.5
15°	933.6	1330.9	1664.9	2122.1	2594.5	2950.6	3319.7	3889.6	4840.3	5889.0	6728.8
12.5°	1147.5	1602.2	2074.5	2742.7	3444.5	4030.1	4688.1	5554.9	6651.6	7959.9	9327.6
10°	1367.8	1881.0	2498.0	3391.1	4337.8	5141.7	6083.4	7220.3	8620.7	10250.8	11969.8
7.5°	1601.2	2153.7	2915.4	4052.0	5254.5	6269.1	7486.7	8870.2	10569.5	12507.2	14579.6
5°	1827.3	2411.1	3263.5	4583.6	5998.5	7220.5	8765.2	10482.1	12474.6	14703.4	17145.6
2.5°	2038.2	2657.6	3593.1	5070.0	6602.3	7871.0	9524.8	11370.8	13618.5	16246.3	19071.0
0°	2228.0	2890.2	3899.5	5518.1	7160.0	8476.1	10221.6	12185.1	14527.4	17411.3	20379.8
-2.5°	2310.3	3011.6	4037.6	5584.9	7146.2	8487.1	10166.6	12169.7	14428.5	17178.1	20089.8
-5°	2368.4	3114.1	4146.4	5609.1	7086.2	8447.5	10049.4	12062.2	14114.4	16560.1	19168.7
-7.5°	2405.2	3195.6	4225.0	5568.0	6890.5	8137.2	9530.8	11245.2	13116.4	15293.4	17590.1
-10°	2412.9	3186.8	4107.1	5299.9	6510.4	7653.4	8895.3	10384.1	12057.3	13961.2	15958.0
-12.5°	2337.9	3098.6	3940.8	5012.7	6116.8	7150.9	8238.3	9503.2	10953.3	12590.0	14357.7
-15°	2256.6	2998.7	3762.1	4713.4	5719.4	6638.2	7571.2	8620.2	9906.8	11397.9	12922.4
-17.5°	2173.1	2888.9	3574.7	4408.6	5327.1	6123.1	6939.8	7936.2	9089.0	10345.5	11586.3
-20°	2091.0	2770.9	3381.9	4104.2	4946.0	5697.5	6494.0	7369.5	8337.2	9361.3	10347.8



REPORT NUMBER: P731616 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2014.0	2646.0	3203.6	3849.0	4618.4	5339.2	6050.5	6802.7	7604.1	8433.1	9474.1
-25°	1962.3	2526.2	3048.1	3646.5	4310.9	4976.1	5603.5	6250.2	6940.0	7857.0	8821.2
-27.5°	1930.3	2424.2	2911.5	3443.2	4016.6	4617.9	5185.8	5756.2	6525.2	7350.4	8203.7
-30°	1898.7	2322.7	2769.1	3250.9	3773.0	4294.6	4783.5	5427.9	6145.0	6899.9	7658.8
-32.5°	1838.7	2216.2	2639.4	3085.3	3546.6	3998.3	4508.7	5142.4	5800.1	6463.9	7148.9
-35°	1764.3	2122.1	2512.1	2917.0	3330.5	3777.3	4294.8	4852.6	5456.9	6074.4	6750.4
-37.5°	1699.4	2019.8	2380.2	2757.7	3145.2	3585.2	4060.9	4582.1	5132.8	5710.2	6355.7
-40°	1627.3	1909.6	2255.2	2609.2	2973.1	3384.2	3832.4	4306.0	4812.9	5365.0	5944.2
-42.5°	1550.1	1822.0	2126.6	2456.9	2802.9	3178.9	3585.9	4031.3	4504.2	5006.8	5537.4
-45°	1478.3	1727.6	1995.8	2304.3	2624.2	2966.3	3343.6	3743.4	4191.7	4654.5	5132.4
-47.5°	1398.6	1629.3	1883.3	2141.3	2441.0	2756.3	3090.9	3469.1	3865.1	4294.9	4736.1
-50°	1312.7	1531.6	1755.2	1991.3	2253.5	2541.6	2847.2	3187.6	3554.1	3929.5	4326.4
-52.5°	1224.2	1425.5	1627.7	1838.1	2072.1	2328.1	2605.9	2907.2	3237.0	3581.3	3923.8
-55°	1130.0	1315.8	1495.8	1687.0	1890.9	2119.0	2364.5	2633.0	2909.8	3223.3	3525.1
-57.5°	1034.8	1198.4	1362.0	1535.6	1717.5	1908.4	2132.0	2359.4	2608.9	2866.7	3118.1
-60°	936.3	1079.0	1224.6	1381.4	1545.6	1718.6	1900.7	2103.7	2315.0	2523.5	2745.0
-62.5°	834.0	959.9	1088.1	1222.5	1370.0	1525.9	1688.5	1857.8	2032.0	2213.4	2392.3
-65°	735.4	842.1	953.9	1071.5	1189.8	1332.6	1476.6	1619.0	1771.3	1918.3	2061.6
-67.5°	635.0	736.2	830.2	921.9	1031.0	1153.6	1266.7	1395.7	1523.3	1644.1	1760.9
-70°	551.8	632.8	719.1	802.1	888.0	992.3	1103.2	1205.9	1302.5	1403.8	1513.2
-72.5°	471.7	549.8	622.0	688.4	775.4	873.0	964.0	1048.7	1140.8	1237.0	1325.5
-75°	398.3	466.5	537.0	602.3	674.7	759.9	851.6	937.8	1016.1	1094.0	1174.6
-77.5°	327.7	378.9	438.2	505.2	577.0	643.3	715.8	793.9	867.1	941.3	1020.1
-80°	251.6	288.1	328.4	374.8	428.2	486.7	549.5	616.2	674.7	728.5	781.6
-82.5°	169.3	197.1	225.3	253.8	283.6	315.1	349.8	392.4	430.3	468.3	507.0
-85°	93.7	105.5	124.8	144.3	160.9	178.4	196.9	216.2	234.2	251.8	269.1
-87.5°	54.6	60.8	67.2	73.9	78.4	82.7	86.7	90.6	95.7	100.7	105.5
-90°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	33.9	34.4	35.0	35.5	36.0	37.6	39.2	40.7	42.3	41.8	41.3
87.5°	17.1	16.8	16.5	16.2	15.9	17.5	19.2	20.9	22.6	20.8	18.8
85°	32.5	32.7	32.7	32.6	32.4	34.6	36.8	38.9	41.0	37.8	34.5
82.5°	55.9	54.8	53.0	50.3	47.0	46.2	45.3	44.0	42.4	40.6	39.0
80°	82.9	79.0	73.8	67.8	61.1	57.6	54.2	50.4	46.3	45.1	44.1
77.5°	106.8	99.6	90.9	81.4	71.2	65.1	60.0	54.6	49.1	47.9	47.4
75°	122.1	112.8	100.0	86.8	73.2	64.6	58.4	52.3	46.4	44.6	43.8
72.5°	126.8	113.8	98.9	82.3	66.4	56.3	50.5	45.3	40.7	38.8	37.8
70°	118.6	101.3	84.8	68.9	54.2	44.9	40.8	37.3	34.3	32.9	32.4
67.5°	100.1	82.0	66.6	53.3	42.6	35.8	33.4	31.3	29.4	28.2	27.4
65°	76.1	61.9	50.7	41.7	34.9	30.7	28.9	27.1	25.4	24.1	23.1
62.5°	55.9	45.6	38.9	33.8	29.9	27.1	25.3	23.8	22.6	21.6	20.8
60°	42.2	35.1	31.0	27.7	25.2	23.4	22.4	21.4	20.5	19.6	18.7
57.5°	32.2	27.9	24.9	23.4	22.2	21.4	20.6	19.5	18.5	17.6	16.7
55°	25.4	23.3	21.6	21.1	20.6	19.8	18.8	18.0	16.9	15.6	14.7
52.5°	21.4	21.2	21.2	20.8	20.2	19.6	18.9	17.6	16.3	15.1	14.3
50°	21.2	21.3	21.4	21.0	20.4	19.7	19.1	18.2	17.4	16.4	15.9
47.5°	22.0	22.3	23.5	21.5	21.1	21.7	21.4	20.6	20.3	19.8	19.3
45°	25.8	30.3	31.5	29.8	26.2	29.1	28.2	24.8	26.8	26.5	24.9
42.5°	46.0	50.8	54.5	52.2	44.7	47.2	47.1	42.0	43.5	43.6	41.7
40°	87.7	86.0	92.1	89.6	81.5	78.5	82.0	76.2	75.1	78.0	74.5
37.5°	144.5	145.4	142.7	143.1	140.1	132.3	137.0	135.4	130.6	139.7	140.7
35°	225.8	232.8	210.8	219.5	223.3	214.7	220.1	235.5	225.6	246.8	252.7
32.5°	334.8	349.3	338.9	328.9	345.5	358.7	364.9	397.6	406.3	425.6	448.4
30°	469.2	506.9	536.7	518.1	516.0	562.8	589.8	633.7	676.3	701.8	748.4
27.5°	748.7	737.1	808.0	828.9	782.3	857.2	958.8	978.1	1107.7	1118.2	1208.8
25°	1183.3	1177.3	1198.6	1301.4	1327.5	1365.0	1539.3	1631.4	1780.1	1860.3	1929.8
22.5°	1766.9	1931.9	1960.0	1912.8	2138.6	2286.1	2334.9	2599.9	2721.2	2902.2	2956.6
20°	2496.8	2880.5	3365.0	3372.7	3279.8	3705.0	3881.2	4020.5	4316.8	4523.2	4663.1
17.5°	4410.4	4407.5	5397.2	5944.0	5882.1	6188.3	7054.6	6965.2	7665.1	8089.4	8107.2
15°	7218.8	7742.2	8370.3	9362.2	10206.3	10886.8	11709.3	12783.9	13654.2	14676.3	15452.4
12.5°	10431.7	11462.5	12537.5	13668.9	14993.7	16498.2	18134.4	19566.9	21270.9	22762.1	24304.1
10°	13650.8	15283.5	16800.7	18491.6	20374.6	22378.6	24778.2	26874.9	29395.6	31606.4	33059.8
7.5°	16602.7	18561.4	20611.9	23069.7	25697.9	28214.4	30931.1	33871.8	36820.8	39375.1	41544.2
5°	19487.9	21689.7	23962.5	26669.9	29673.4	32826.7	36188.3	39666.2	42756.2	45666.1	48198.7
2.5°	21751.3	24273.4	26870.0	29931.4	33162.8	36358.5	39723.6	43467.6	47061.3	50464.6	53066.4
0°	23096.6	25627.1	28174.6	31418.2	34966.4	38400.5	42151.8	46138.1	49931.8	53186.0	55598.0
-2.5°	22560.7	25025.5	27599.6	30804.0	34222.5	37422.2	41006.5	44867.9	48542.3	51838.0	54341.5
-5°	21349.0	23560.5	25920.1	28883.0	32081.0	35260.0	38773.9	42447.2	45617.1	48542.4	50787.0
-7.5°	19645.3	21685.4	23886.0	26629.2	29570.1	32346.2	35218.5	38182.0	41066.6	43568.6	45415.3
-10°	17835.8	19682.7	21577.0	23776.8	26283.2	28706.3	31129.8	33832.8	36210.1	38275.7	39798.7
-12.5°	16021.2	17538.3	19032.8	20714.9	22865.6	25046.3	27142.3	29408.9	31302.5	33006.5	34361.4
-15°	14279.4	15460.5	16594.5	18222.6	20116.4	21726.9	23016.7	25069.6	26355.0	27869.8	28817.0
-17.5°	12660.4	13603.5	14981.7	16381.2	17732.4	19055.9	20544.1	21759.5	23021.2	24258.5	25072.6
-20°	11386.6	12553.0	13717.9	14856.1	16016.9	17280.2	18458.3	19606.8	20706.4	21657.3	22309.9



REPORT NUMBER: P731616 (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°	10557.4	11593.0	12573.5	13597.7	14728.5	15789.3	16784.7	17842.3	18782.5	19492.5	20023.5
-25°	9761.2	10661.8	11615.8	12640.5	13597.3	14490.2	15406.8	16223.1	17025.4	17616.6	18113.5
-27.5°	9043.6	9897.9	10837.8	11746.1	12598.9	13433.4	14212.3	14888.6	15556.9	16029.8	16523.9
-30°	8419.3	9284.7	10139.5	10946.9	11748.0	12504.0	13190.8	13832.9	14393.7	14854.2	15268.4
-32.5°	7947.8	8732.5	9493.7	10249.1	11008.3	11705.3	12306.5	12923.2	13439.3	13880.8	14256.0
-35°	7481.6	8219.4	8923.1	9615.2	10314.0	10986.0	11568.0	12105.1	12612.9	13008.2	13351.9
-37.5°	7026.9	7714.9	8366.0	8988.4	9627.8	10247.3	10778.3	11282.7	11736.7	12101.9	12428.1
-40°	6569.0	7199.2	7781.2	8361.2	8935.6	9454.7	9953.8	10418.5	10807.5	11144.2	11441.0
-42.5°	6095.7	6650.6	7175.7	7706.5	8231.2	8690.5	9131.0	9548.4	9879.5	10177.9	10434.9
-45°	5620.8	6109.1	6590.1	7067.0	7498.7	7922.8	8322.1	8674.5	8973.0	9237.3	9460.2
-47.5°	5163.6	5578.6	6018.7	6453.6	6824.5	7187.5	7536.7	7835.6	8094.9	8326.0	8522.1
-50°	4706.7	5077.1	5460.9	5834.2	6174.3	6492.9	6785.6	7046.7	7283.0	7482.8	7651.0
-52.5°	4254.4	4598.3	4926.5	5230.0	5538.9	5831.9	6104.2	6332.5	6539.5	6724.3	6872.5
-55°	3822.7	4126.8	4433.6	4692.0	4941.8	5185.8	5412.6	5616.5	5804.1	5973.8	6106.7
-57.5°	3387.1	3652.3	3908.7	4140.4	4364.6	4579.9	4763.6	4923.4	5073.1	5210.3	5327.5
-60°	2966.7	3187.7	3404.3	3597.7	3784.4	3963.5	4120.0	4256.0	4376.6	4482.9	4579.0
-62.5°	2572.0	2761.9	2934.5	3090.6	3236.7	3382.8	3516.2	3633.9	3736.0	3823.5	3898.7
-65°	2209.1	2366.2	2504.3	2633.6	2754.9	2878.0	2985.1	3081.7	3167.7	3240.0	3298.0
-67.5°	1886.5	2009.5	2124.4	2224.5	2327.7	2432.4	2529.4	2613.9	2686.9	2744.6	2789.6
-70°	1614.4	1714.0	1817.1	1916.9	2015.1	2105.1	2188.8	2263.7	2330.4	2380.1	2419.9
-72.5°	1406.7	1490.7	1585.7	1686.4	1779.7	1869.2	1954.4	2033.6	2107.4	2154.8	2191.8
-75°	1257.5	1344.2	1429.3	1513.2	1595.8	1674.5	1753.9	1834.8	1916.5	1964.7	2003.4
-77.5°	1092.7	1153.5	1216.7	1285.2	1358.1	1428.7	1497.8	1566.0	1632.8	1666.3	1691.9
-80°	837.7	886.2	933.8	982.0	1030.4	1080.1	1130.2	1179.9	1228.7	1251.3	1268.2
-82.5°	546.0	579.3	611.0	641.5	670.6	695.5	718.7	740.4	760.3	770.1	776.8
-85°	286.0	300.6	314.5	327.6	339.8	347.5	354.0	359.6	364.2	370.3	375.5
-87.5°	110.1	114.2	118.3	122.2	126.1	127.9	129.6	131.0	132.2	134.2	136.0
-90°	8.5	8.0	7.4	6.9	6.3	5.8	5.3	4.7	4.2	4.2	4.2



REPORT NUMBER: P731616 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	40.7	40.2	41.3	42.3	41.3	40.2	40.7	41.3	41.8	42.3	40.7
87.5°	16.8	14.8	13.7	12.7	13.7	14.8	16.8	18.8	20.8	22.6	20.9
85°	31.0	27.4	25.4	23.3	25.4	27.4	31.0	34.5	37.8	41.0	38.9
82.5°	37.5	35.9	36.0	36.0	36.0	35.9	37.5	39.0	40.6	42.4	44.0
80°	43.2	42.2	42.3	42.3	42.3	42.2	43.2	44.1	45.1	46.3	50.4
77.5°	46.9	46.4	45.5	44.4	45.5	46.4	46.9	47.4	47.9	49.1	54.6
75°	43.1	42.4	42.3	42.3	42.3	42.4	43.1	43.8	44.6	46.4	52.3
72.5°	37.0	36.2	36.0	36.0	36.0	36.2	37.0	37.8	38.8	40.7	45.3
70°	32.1	31.8	30.8	29.6	30.8	31.8	32.1	32.4	32.9	34.3	37.3
67.5°	26.5	25.7	25.4	25.4	25.4	25.7	26.5	27.4	28.2	29.4	31.3
65°	22.3	21.5	21.2	21.2	21.2	21.5	22.3	23.1	24.1	25.4	27.1
62.5°	20.0	19.2	18.1	16.9	18.1	19.2	20.0	20.8	21.6	22.6	23.8
60°	17.9	17.2	16.0	14.8	16.0	17.2	17.9	18.7	19.6	20.5	21.4
57.5°	15.9	15.1	14.8	14.8	14.8	15.1	15.9	16.7	17.6	18.5	19.5
55°	13.9	13.1	12.7	12.7	12.7	13.1	13.9	14.7	15.6	16.9	18.0
52.5°	13.6	13.0	12.7	12.7	12.7	13.0	13.6	14.3	15.1	16.3	17.6
50°	15.5	15.0	14.8	14.8	14.8	15.0	15.5	15.9	16.4	17.4	18.2
47.5°	18.5	17.5	16.9	16.9	16.9	17.5	18.5	19.3	19.8	20.3	20.6
45°	24.4	23.6	23.2	23.3	23.2	23.6	24.4	24.9	26.5	26.8	24.8
42.5°	42.2	41.0	39.3	38.1	39.3	41.0	42.2	41.7	43.6	43.5	42.0
40°	74.7	73.1	70.6	69.8	70.6	73.1	74.7	74.5	78.0	75.1	76.2
37.5°	142.6	141.5	136.9	135.4	136.9	141.5	142.6	140.7	139.7	130.6	135.4
35°	252.2	254.1	249.8	249.7	249.8	254.1	252.2	252.7	246.8	225.6	235.5
32.5°	456.0	460.9	448.0	454.9	448.0	460.9	456.0	448.4	425.6	406.3	397.6
30°	746.9	763.6	756.3	759.6	756.3	763.6	746.9	748.4	701.8	676.3	633.7
27.5°	1217.7	1230.1	1204.4	1195.5	1204.4	1230.1	1217.7	1208.8	1118.2	1107.7	978.1
25°	1968.9	1976.7	1951.6	1961.4	1951.6	1976.7	1968.9	1929.8	1860.3	1780.1	1631.4
22.5°	3067.1	3037.7	3009.8	2983.3	3009.8	3037.7	3067.1	2956.6	2902.2	2721.2	2599.9
20°	4793.2	4725.4	4716.4	4665.4	4716.4	4725.4	4793.2	4663.1	4523.2	4316.8	4020.5
17.5°	8540.0	8662.8	8390.0	7862.5	8390.0	8662.8	8540.0	8107.2	8089.4	7665.1	6965.2
15°	15909.4	16486.8	16734.8	16129.1	16734.8	16486.8	15909.4	15452.4	14676.3	13654.2	12783.9
12.5°	25155.3	25561.8	26054.1	25694.8	26054.1	25561.8	25155.3	24304.1	22762.1	21270.9	19566.9
10°	34308.2	34916.8	35661.9	35326.1	35661.9	34916.8	34308.2	33059.8	31606.4	29395.6	26874.9
7.5°	42738.0	43786.4	44441.2	44020.1	44441.2	43786.4	42738.0	41544.2	39375.1	36820.8	33871.8
5°	49932.1	50761.1	51155.8	51046.9	51155.8	50761.1	49932.1	48198.7	45666.1	42756.2	39666.2
2.5°	54545.8	55420.9	55774.5	55480.6	55774.5	55420.9	54545.8	53066.4	50464.6	47061.3	43467.6
0°	56800.8	57620.8	58183.6	58228.0	58183.6	57620.8	56800.8	55598.0	53186.0	49931.8	46138.1
-2.5°	55497.7	55995.9	56265.1	56085.8	56265.1	55995.9	55497.7	54341.5	51838.0	48542.3	44867.9
-5°	52084.7	52611.5	52782.5	52991.3	52782.5	52611.5	52084.7	50787.0	48542.4	45617.1	42447.2
-7.5°	46454.1	47032.1	47458.3	47440.4	47458.3	47032.1	46454.1	45415.3	43568.6	41066.6	38182.0
-10°	40931.4	41360.9	41805.4	41730.8	41805.4	41360.9	40931.4	39798.7	38275.7	36210.1	33832.8
-12.5°	35458.1	36174.5	36348.6	36296.3	36348.6	36174.5	35458.1	34361.4	33006.5	31302.5	29408.9
-15°	29895.4	30426.3	30382.7	30241.8	30382.7	30426.3	29895.4	28817.0	27869.8	26355.0	25069.6
-17.5°	25777.1	26069.8	26181.7	26071.4	26181.7	26069.8	25777.1	25072.6	24258.5	23021.2	21759.5
-20°	22846.6	23072.8	23148.9	23200.2	23148.9	23072.8	22846.6	22309.9	21657.3	20706.4	19606.8



REPORT NUMBER: P731616 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20480.8	20711.9	20778.8	20866.5	20778.8	20711.9	20480.8	20023.5	19492.5	18782.5	17842.3
-25°	18496.8	18722.7	18799.0	18886.0	18799.0	18722.7	18496.8	18113.5	17616.6	17025.4	16223.1
-27.5°	16855.3	17075.7	17167.5	17233.5	17167.5	17075.7	16855.3	16523.9	16029.8	15556.9	14888.6
-30°	15562.6	15779.6	15910.8	15953.5	15910.8	15779.6	15562.6	15268.4	14854.2	14393.7	13832.9
-32.5°	14537.0	14726.5	14849.8	14912.5	14849.8	14726.5	14537.0	14256.0	13880.8	13439.3	12923.2
-35°	13623.5	13813.7	13941.9	14006.9	13941.9	13813.7	13623.5	13351.9	13008.2	12612.9	12105.1
-37.5°	12689.4	12896.5	13032.1	13035.7	13032.1	12896.5	12689.4	12428.1	12101.9	11736.7	11282.7
-40°	11658.8	11823.0	11930.6	11973.6	11930.6	11823.0	11658.8	11441.0	11144.2	10807.5	10418.5
-42.5°	10625.1	10764.6	10851.8	10888.1	10851.8	10764.6	10625.1	10434.9	10177.9	9879.5	9548.4
-45°	9638.3	9778.9	9851.5	9840.8	9851.5	9778.9	9638.3	9460.2	9237.3	8973.0	8674.5
-47.5°	8672.8	8781.9	8841.5	8854.8	8841.5	8781.9	8672.8	8522.1	8326.0	8094.9	7835.6
-50°	7793.9	7909.5	7958.9	7945.0	7958.9	7909.5	7793.9	7651.0	7482.8	7283.0	7046.7
-52.5°	6994.7	7093.0	7135.6	7130.4	7135.6	7093.0	6994.7	6872.5	6724.3	6539.5	6332.5
-55°	6215.4	6300.4	6334.2	6328.5	6334.2	6300.4	6215.4	6106.7	5973.8	5804.1	5616.5
-57.5°	5424.7	5501.2	5523.9	5509.7	5523.9	5501.2	5424.7	5327.5	5210.3	5073.1	4923.4
-60°	4658.8	4721.7	4741.3	4733.1	4741.3	4721.7	4658.8	4579.0	4482.9	4376.6	4256.0
-62.5°	3960.8	4009.5	4029.5	4030.7	4029.5	4009.5	3960.8	3898.7	3823.5	3736.0	3633.9
-65°	3345.0	3381.0	3397.1	3400.2	3397.1	3381.0	3345.0	3298.0	3240.0	3167.7	3081.7
-67.5°	2825.9	2854.0	2863.9	2864.9	2863.9	2854.0	2825.9	2789.6	2744.6	2686.9	2613.9
-70°	2455.3	2486.7	2499.9	2507.3	2499.9	2486.7	2455.3	2419.9	2380.1	2330.4	2263.7
-72.5°	2226.4	2258.7	2273.8	2285.1	2273.8	2258.7	2226.4	2191.8	2154.8	2107.4	2033.6
-75°	2040.2	2074.4	2085.2	2090.5	2085.2	2074.4	2040.2	2003.4	1964.7	1916.5	1834.8
-77.5°	1714.0	1732.4	1739.2	1741.3	1739.2	1732.4	1714.0	1691.9	1666.3	1632.8	1566.0
-80°	1281.6	1291.2	1309.6	1324.5	1309.6	1291.2	1281.6	1268.2	1251.3	1228.7	1179.9
-82.5°	780.9	782.6	793.3	801.9	793.3	782.6	780.9	776.8	770.1	760.3	740.4
-85°	379.8	383.2	392.0	399.9	392.0	383.2	379.8	375.5	370.3	364.2	359.6
-87.5°	137.7	139.2	138.5	137.5	138.5	139.2	137.7	136.0	134.2	132.2	131.0
-90°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.7



REPORT NUMBER: P731616 (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°	39.2	37.6	36.0	35.5	35.0	34.4	33.9	31.3	28.6	26.0	23.3
87.5°	19.2	17.5	15.9	16.2	16.5	16.8	17.1	16.0	14.9	13.9	13.0
85°	36.8	34.6	32.4	32.6	32.7	32.7	32.5	31.6	30.4	28.9	27.1
82.5°	45.3	46.2	47.0	50.3	53.0	54.8	55.9	55.5	54.4	52.6	49.8
80°	54.2	57.6	61.1	67.8	73.8	79.0	82.9	84.4	85.3	85.0	82.1
77.5°	60.0	65.1	71.2	81.4	90.9	99.6	106.8	110.3	111.8	112.5	109.5
75°	58.4	64.6	73.2	86.8	100.0	112.8	122.1	127.7	132.2	135.6	132.4
72.5°	50.5	56.3	66.4	82.3	98.9	113.8	126.8	137.7	146.9	154.3	149.6
70°	40.8	44.9	54.2	68.9	84.8	101.3	118.6	136.4	154.7	167.2	159.8
67.5°	33.4	35.8	42.6	53.3	66.6	82.0	100.1	120.7	140.3	159.3	157.5
65°	28.9	30.7	34.9	41.7	50.7	61.9	76.1	93.9	115.2	136.9	139.9
62.5°	25.3	27.1	29.9	33.8	38.9	45.6	55.9	70.6	88.1	103.1	110.6
60°	22.4	23.4	25.2	27.7	31.0	35.1	42.2	51.7	63.7	76.1	84.0
57.5°	20.6	21.4	22.2	23.4	24.9	27.9	32.2	37.4	47.1	54.9	61.6
55°	18.8	19.8	20.6	21.1	21.6	23.3	25.4	29.2	34.8	39.5	47.3
52.5°	18.9	19.6	20.2	20.8	21.2	21.2	21.4	23.9	27.5	32.6	37.1
50°	19.1	19.7	20.4	21.0	21.4	21.3	21.2	21.3	24.4	28.3	32.2
47.5°	21.4	21.7	21.1	21.5	23.5	22.3	22.0	23.6	26.5	26.6	30.0
45°	28.2	29.1	26.2	29.8	31.5	30.3	25.8	31.7	33.3	32.7	29.4
42.5°	47.1	47.2	44.7	52.2	54.5	50.8	46.0	50.5	48.6	43.7	49.2
40°	82.0	78.5	81.5	89.6	92.1	86.0	87.7	81.9	76.4	64.4	83.7
37.5°	137.0	132.3	140.1	143.1	142.7	145.4	144.5	132.2	115.2	125.0	140.2
35°	220.1	214.7	223.3	219.5	210.8	232.8	225.8	198.5	184.9	200.2	210.3
32.5°	364.9	358.7	345.5	328.9	338.9	349.3	334.8	294.4	300.3	300.2	289.2
30°	589.8	562.8	516.0	518.1	536.7	506.9	469.2	483.3	463.3	422.1	381.7
27.5°	958.8	857.2	782.3	828.9	808.0	737.1	748.7	727.8	660.2	584.0	529.0
25°	1539.3	1365.0	1327.5	1301.4	1198.6	1177.3	1183.3	1084.8	925.1	814.3	889.5
22.5°	2334.9	2286.1	2138.6	1912.8	1960.0	1931.9	1766.9	1542.4	1376.2	1496.7	1400.6
20°	3881.2	3705.0	3279.8	3372.7	3365.0	2880.5	2496.8	2527.2	2623.5	2413.5	2042.6
17.5°	7054.6	6188.3	5882.1	5944.0	5397.2	4407.5	4410.4	4457.5	4127.9	3514.8	2794.6
15°	11709.3	10886.8	10206.3	9362.2	8370.3	7742.2	7218.8	6728.8	5889.0	4840.3	3889.6
12.5°	18134.4	16498.2	14993.7	13668.9	12537.5	11462.5	10431.7	9327.6	7959.9	6651.6	5554.9
10°	24778.2	22378.6	20374.6	18491.6	16800.7	15283.5	13650.8	11969.8	10250.8	8620.7	7220.3
7.5°	30931.1	28214.4	25697.9	23069.7	20611.9	18561.4	16602.7	14579.6	12507.2	10569.5	8870.2
5°	36188.3	32826.7	29673.4	26669.9	23962.5	21689.7	19487.9	17145.6	14703.4	12474.6	10482.1
2.5°	39723.6	36358.5	33162.8	29931.4	26870.0	24273.4	21751.3	19071.0	16246.3	13618.5	11370.8
0°	42151.8	38400.5	34966.4	31418.2	28174.6	25627.1	23096.6	20379.8	17411.3	14527.4	12185.1
-2.5°	41006.5	37422.2	34222.5	30804.0	27599.6	25025.5	22560.7	20089.8	17178.1	14428.5	12169.7
-5°	38773.9	35260.0	32081.0	28883.0	25920.1	23560.5	21349.0	19168.7	16560.1	14114.4	12062.2
-7.5°	35218.5	32346.2	29570.1	26629.2	23886.0	21685.4	19645.3	17590.1	15293.4	13116.4	11245.2
-10°	31129.8	28706.3	26283.2	23776.8	21577.0	19682.7	17835.8	15958.0	13961.2	12057.3	10384.1
-12.5°	27142.3	25046.3	22865.6	20714.9	19032.8	17538.3	16021.2	14357.7	12590.0	10953.3	9503.2
-15°	23016.7	21726.9	20116.4	18222.6	16594.5	15460.5	14279.4	12922.4	11397.9	9906.8	8620.2
-17.5°	20544.1	19055.9	17732.4	16381.2	14981.7	13603.5	12660.4	11586.3	10345.5	9089.0	7936.2
-20°	18458.3	17280.2	16016.9	14856.1	13717.9	12553.0	11386.6	10347.8	9361.3	8337.2	7369.5



REPORT NUMBER: P731616 (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°	16784.7	15789.3	14728.5	13597.7	12573.5	11593.0	10557.4	9474.1	8433.1	7604.1	6802.7
-25°	15406.8	14490.2	13597.3	12640.5	11615.8	10661.8	9761.2	8821.2	7857.0	6940.0	6250.2
-27.5°	14212.3	13433.4	12598.9	11746.1	10837.8	9897.9	9043.6	8203.7	7350.4	6525.2	5756.2
-30°	13190.8	12504.0	11748.0	10946.9	10139.5	9284.7	8419.3	7658.8	6899.9	6145.0	5427.9
-32.5°	12306.5	11705.3	11008.3	10249.1	9493.7	8732.5	7947.8	7148.9	6463.9	5800.1	5142.4
-35°	11568.0	10986.0	10314.0	9615.2	8923.1	8219.4	7481.6	6750.4	6074.4	5456.9	4852.6
-37.5°	10778.3	10247.3	9627.8	8988.4	8366.0	7714.9	7026.9	6355.7	5710.2	5132.8	4582.1
-40°	9953.8	9454.7	8935.6	8361.2	7781.2	7199.2	6569.0	5944.2	5365.0	4812.9	4306.0
-42.5°	9131.0	8690.5	8231.2	7706.5	7175.7	6650.6	6095.7	5537.4	5006.8	4504.2	4031.3
-45°	8322.1	7922.8	7498.7	7067.0	6590.1	6109.1	5620.8	5132.4	4654.5	4191.7	3743.4
-47.5°	7536.7	7187.5	6824.5	6453.6	6018.7	5578.6	5163.6	4736.1	4294.9	3865.1	3469.1
-50°	6785.6	6492.9	6174.3	5834.2	5460.9	5077.1	4706.7	4326.4	3929.5	3554.1	3187.6
-52.5°	6104.2	5831.9	5538.9	5230.0	4926.5	4598.3	4254.4	3923.8	3581.3	3237.0	2907.2
-55°	5412.6	5185.8	4941.8	4692.0	4433.6	4126.8	3822.7	3525.1	3223.3	2909.8	2633.0
-57.5°	4763.6	4579.9	4364.6	4140.4	3908.7	3652.3	3387.1	3118.1	2866.7	2608.9	2359.4
-60°	4120.0	3963.5	3784.4	3597.7	3404.3	3187.7	2966.7	2745.0	2523.5	2315.0	2103.7
-62.5°	3516.2	3382.8	3236.7	3090.6	2934.5	2761.9	2572.0	2392.3	2213.4	2032.0	1857.8
-65°	2985.1	2878.0	2754.9	2633.6	2504.3	2366.2	2209.1	2061.6	1918.3	1771.3	1619.0
-67.5°	2529.4	2432.4	2327.7	2224.5	2124.4	2009.5	1886.5	1760.9	1644.1	1523.3	1395.7
-70°	2188.8	2105.1	2015.1	1916.9	1817.1	1714.0	1614.4	1513.2	1403.8	1302.5	1205.9
-72.5°	1954.4	1869.2	1779.7	1686.4	1585.7	1490.7	1406.7	1325.5	1237.0	1140.8	1048.7
-75°	1753.9	1674.5	1595.8	1513.2	1429.3	1344.2	1257.5	1174.6	1094.0	1016.1	937.8
-77.5°	1497.8	1428.7	1358.1	1285.2	1216.7	1153.5	1092.7	1020.1	941.3	867.1	793.9
-80°	1130.2	1080.1	1030.4	982.0	933.8	886.2	837.7	781.6	728.5	674.7	616.2
-82.5°	718.7	695.5	670.6	641.5	611.0	579.3	546.0	507.0	468.3	430.3	392.4
-85°	354.0	347.5	339.8	327.6	314.5	300.6	286.0	269.1	251.8	234.2	216.2
-87.5°	129.6	127.9	126.1	122.2	118.3	114.2	110.1	105.5	100.7	95.7	90.6
-90°	5.3	5.8	6.3	6.9	7.4	8.0	8.5	8.5	8.5	8.5	8.5



REPORT NUMBER: P731616 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	21.7	20.1	18.5	16.9	16.4	15.9	15.3	14.8	14.3	13.8	13.2
87.5°	14.2	15.3	16.2	17.0	15.9	14.8	13.8	12.9	13.1	13.2	13.1
85°	26.4	26.0	25.9	26.1	23.8	21.1	19.1	17.4	17.8	17.9	17.7
82.5°	44.8	41.5	39.0	37.0	35.8	33.8	31.0	27.4	24.4	22.8	22.3
80°	73.6	65.6	58.3	52.1	48.5	46.7	44.3	40.4	34.0	29.4	26.7
77.5°	98.9	89.0	79.8	70.3	62.4	56.6	53.1	50.7	43.3	35.8	30.7
75°	120.9	108.5	96.7	85.2	74.4	65.8	58.8	53.7	47.5	41.5	34.4
72.5°	136.0	123.1	111.1	98.2	84.0	72.4	63.4	56.6	49.9	43.5	37.3
70°	146.7	134.6	121.6	106.8	92.0	78.0	66.5	58.7	52.2	45.3	38.8
67.5°	153.3	139.7	127.2	113.9	98.5	83.4	69.1	60.6	53.8	47.1	40.2
65°	137.0	134.1	130.0	115.7	102.1	88.2	73.0	63.0	55.4	48.4	41.5
62.5°	116.3	118.7	116.6	113.2	102.7	89.4	76.8	66.6	57.1	49.7	42.6
60°	90.8	97.5	101.8	100.9	97.7	89.1	78.0	69.9	59.9	50.9	43.6
57.5°	70.3	76.9	83.9	88.0	87.3	84.0	78.4	71.1	62.3	52.7	44.7
55°	53.3	61.0	68.5	74.3	76.9	75.4	76.5	71.3	64.0	54.4	46.1
52.5°	42.9	49.2	56.0	62.6	66.8	68.2	71.2	71.4	64.1	55.8	48.0
50°	36.2	43.4	47.9	52.9	58.1	62.5	66.5	67.9	64.0	56.7	50.1
47.5°	36.2	43.2	46.0	46.5	50.8	57.4	62.2	64.4	63.8	56.5	52.1
45°	43.9	48.8	48.9	47.6	46.7	54.3	58.3	61.5	61.3	57.8	54.1
42.5°	59.0	62.9	58.5	50.5	55.5	53.4	55.0	58.6	59.1	59.4	55.8
40°	90.8	85.2	73.8	72.7	73.1	54.7	55.5	56.1	57.7	60.8	57.4
37.5°	132.1	120.2	100.6	107.3	99.8	76.8	57.6	54.1	59.2	62.0	59.0
35°	197.7	167.0	155.7	154.8	138.8	104.5	61.2	54.4	61.8	63.6	60.8
32.5°	276.2	248.9	237.2	212.1	184.9	137.6	80.0	65.1	65.8	65.8	62.7
30°	378.8	390.8	335.9	275.6	238.4	181.4	119.7	78.4	71.2	68.4	64.6
27.5°	583.1	564.0	457.4	365.2	298.1	235.6	187.5	94.2	77.8	72.0	66.6
25°	852.1	773.4	625.5	472.1	361.6	399.4	272.8	114.1	89.0	77.1	68.9
22.5°	1215.0	1021.2	814.4	588.6	609.1	607.2	390.8	178.9	103.3	82.9	71.4
20°	1637.4	1303.0	1097.0	1018.2	918.8	829.3	549.9	252.9	118.6	89.3	74.0
17.5°	2131.3	1918.2	1805.8	1543.1	1277.2	1071.8	732.5	334.2	134.8	96.1	76.7
15°	3319.7	2950.6	2594.5	2122.1	1664.9	1330.9	933.6	420.6	151.6	103.3	84.5
12.5°	4688.1	4030.1	3444.5	2742.7	2074.5	1602.2	1147.5	509.8	168.7	119.9	98.8
10°	6083.4	5141.7	4337.8	3391.1	2498.0	1881.0	1367.8	609.6	208.9	144.1	113.6
7.5°	7486.7	6269.1	5254.5	4052.0	2915.4	2153.7	1601.2	728.4	253.2	168.7	128.7
5°	8765.2	7220.5	5998.5	4583.6	3263.5	2411.1	1827.3	842.6	297.5	193.4	143.9
2.5°	9524.8	7871.0	6602.3	5070.0	3593.1	2657.6	2038.2	949.2	341.1	217.6	158.9
0°	10221.6	8476.1	7160.0	5518.1	3899.5	2890.2	2228.0	1045.2	383.0	241.2	173.5
-2.5°	10166.6	8487.1	7146.2	5584.9	4037.6	3011.6	2310.3	1162.8	499.3	325.6	229.1
-5°	10049.4	8447.5	7086.2	5609.1	4146.4	3114.1	2368.4	1267.1	611.7	407.7	283.3
-7.5°	9530.8	8137.2	6890.5	5568.0	4225.0	3195.6	2405.2	1358.4	718.6	486.4	335.4
-10°	8895.3	7653.4	6510.4	5299.9	4107.1	3186.8	2412.9	1436.9	818.8	560.6	384.5
-12.5°	8238.3	7150.9	6116.8	5012.7	3940.8	3098.6	2337.9	1468.9	907.1	629.1	429.9
-15°	7571.2	6638.2	5719.4	4713.4	3762.1	2998.7	2256.6	1475.8	960.8	685.1	471.0
-17.5°	6939.8	6123.1	5327.1	4408.6	3574.7	2888.9	2173.1	1476.0	1007.5	727.8	506.6
-20°	6494.0	5697.5	4946.0	4104.2	3381.9	2770.9	2091.0	1470.6	1047.1	765.5	537.5



REPORT NUMBER: P731616 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6050.5	5339.2	4618.4	3849.0	3203.6	2646.0	2014.0	1461.0	1079.0	797.7	564.0
-25°	5603.5	4976.1	4310.9	3646.5	3048.1	2526.2	1962.3	1448.0	1103.1	824.4	585.9
-27.5°	5185.8	4617.9	4016.6	3443.2	2911.5	2424.2	1930.3	1467.9	1122.9	845.1	602.7
-30°	4783.5	4294.6	3773.0	3250.9	2769.1	2322.7	1898.7	1479.6	1142.7	861.7	614.5
-32.5°	4508.7	3998.3	3546.6	3085.3	2639.4	2216.2	1838.7	1481.1	1154.8	872.6	625.0
-35°	4294.8	3777.3	3330.5	2917.0	2512.1	2122.1	1764.3	1472.5	1159.2	876.6	631.9
-37.5°	4060.9	3585.2	3145.2	2757.7	2380.2	2019.8	1699.4	1424.4	1155.9	873.5	633.8
-40°	3832.4	3384.2	2973.1	2609.2	2255.2	1909.6	1627.3	1374.1	1145.1	863.3	630.8
-42.5°	3585.9	3178.9	2802.9	2456.9	2126.6	1822.0	1550.1	1316.6	1098.7	851.7	622.8
-45°	3343.6	2966.3	2624.2	2304.3	1995.8	1727.6	1478.3	1252.6	1043.1	836.6	610.7
-47.5°	3090.9	2756.3	2441.0	2141.3	1883.3	1629.3	1398.6	1184.6	982.9	814.3	594.6
-50°	2847.2	2541.6	2253.5	1991.3	1755.2	1531.6	1312.7	1111.1	927.3	766.1	573.2
-52.5°	2605.9	2328.1	2072.1	1838.1	1627.7	1425.5	1224.2	1033.2	866.7	715.0	546.7
-55°	2364.5	2119.0	1890.9	1687.0	1495.8	1315.8	1130.0	957.8	801.2	661.2	515.5
-57.5°	2132.0	1908.4	1717.5	1535.6	1362.0	1198.4	1034.8	876.9	734.5	604.2	482.4
-60°	1900.7	1718.6	1545.6	1381.4	1224.6	1079.0	936.3	793.2	665.2	545.7	438.4
-62.5°	1688.5	1525.9	1370.0	1222.5	1088.1	959.9	834.0	710.2	592.7	490.3	390.0
-65°	1476.6	1332.6	1189.8	1071.5	953.9	842.1	735.4	623.6	526.2	433.4	343.2
-67.5°	1266.7	1153.6	1031.0	921.9	830.2	736.2	635.0	545.6	460.4	375.0	302.2
-70°	1103.2	992.3	888.0	802.1	719.1	632.8	551.8	470.7	393.1	327.9	260.5
-72.5°	964.0	873.0	775.4	688.4	622.0	549.8	471.7	398.3	340.6	280.5	218.1
-75°	851.6	759.9	674.7	602.3	537.0	466.5	398.3	341.0	287.7	232.4	180.2
-77.5°	715.8	643.3	577.0	505.2	438.2	378.9	327.7	283.1	233.0	185.3	143.0
-80°	549.5	486.7	428.2	374.8	328.4	288.1	251.6	214.6	173.7	137.0	104.8
-82.5°	349.8	315.1	283.6	253.8	225.3	197.1	169.3	141.6	113.1	87.8	72.5
-85°	196.9	178.4	160.9	144.3	124.8	105.5	93.7	82.5	72.0	62.1	52.9
-87.5°	86.7	82.7	78.4	73.9	67.2	60.8	54.6	48.7	43.2	38.0	33.1
-90°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	12.7	12.2	11.7	11.1	10.6	9.6	8.5
87.5°	12.9	11.8	10.9	10.1	9.4	8.9	8.5
85°	17.2	15.1	13.2	11.7	10.3	9.2	8.5
82.5°	21.5	18.4	15.6	13.2	11.2	9.6	8.5
80°	25.5	21.6	17.9	14.7	12.1	10.0	8.5
77.5°	27.5	24.0	20.2	16.3	13.0	10.3	8.5
75°	29.4	25.1	22.1	17.7	13.9	10.7	8.5
72.5°	31.1	26.0	22.4	19.2	14.7	11.0	8.5
70°	32.6	26.9	22.8	20.3	15.5	11.3	8.5
67.5°	33.9	27.6	23.0	20.2	16.3	11.7	8.5
65°	35.1	28.5	23.1	20.1	17.0	12.0	8.5
62.5°	36.3	29.7	23.2	19.9	17.8	12.3	8.5
60°	37.6	30.8	23.1	19.7	18.4	12.6	8.5
57.5°	38.9	31.9	24.1	19.4	18.3	12.8	8.5
55°	40.4	33.0	25.0	19.1	18.1	13.1	8.5
52.5°	41.9	34.1	25.9	18.7	18.0	13.3	8.5
50°	43.5	35.6	26.8	18.3	17.8	13.6	8.5
47.5°	45.2	37.0	27.6	18.1	17.7	13.8	8.5
45°	47.0	38.4	28.4	18.7	17.7	14.0	8.5
42.5°	48.7	39.9	29.2	19.2	17.6	14.2	8.5
40°	50.4	41.4	30.1	20.2	17.6	14.4	8.5
37.5°	52.2	42.9	31.2	21.3	17.6	14.5	8.5
35°	53.8	44.2	32.3	22.4	17.6	14.6	8.5
32.5°	55.4	45.5	33.3	23.5	17.6	14.8	8.5
30°	56.9	46.8	34.3	24.7	17.7	14.9	8.5
27.5°	58.4	47.9	36.5	25.8	17.7	14.9	8.5
25°	59.9	49.0	38.7	26.9	17.8	15.0	8.5
22.5°	61.4	50.9	41.0	28.0	17.9	15.1	8.5
20°	62.9	54.9	43.3	29.1	18.0	15.1	8.5
17.5°	68.3	59.1	45.6	30.2	18.2	15.1	8.5
15°	76.5	63.4	47.8	31.2	18.3	15.1	8.5
12.5°	85.1	67.8	49.9	32.2	18.4	15.1	8.5
10°	94.0	72.2	52.0	33.1	18.5	15.1	8.5
7.5°	103.0	76.6	54.0	33.9	18.7	15.0	8.5
5°	111.9	80.9	55.9	34.7	18.8	15.0	8.5
2.5°	120.7	85.0	57.6	35.4	18.9	14.9	8.5
0°	129.1	88.9	59.2	36.0	19.0	14.8	8.5
-2.5°	162.8	108.2	69.2	40.4	20.5	15.1	8.5
-5°	195.6	126.9	78.8	44.7	21.9	15.4	8.5
-7.5°	227.1	144.9	88.1	48.7	23.3	15.7	8.5
-10°	256.7	161.9	96.9	52.5	24.7	16.0	8.5
-12.5°	284.2	177.8	105.0	56.1	26.0	16.2	8.5
-15°	309.2	192.1	112.4	59.3	27.2	16.4	8.5
-17.5°	331.1	204.9	119.0	62.2	28.3	16.6	8.5
-20°	351.8	215.8	124.6	64.6	29.3	16.8	8.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	372.7	224.8	129.3	66.7	30.2	17.0	8.5
-25°	390.4	236.3	132.8	68.2	31.0	17.1	8.5
-27.5°	404.9	247.4	135.3	69.3	31.7	17.2	8.5
-30°	416.0	256.0	136.9	69.8	32.3	17.2	8.5
-32.5°	423.5	262.1	141.4	69.9	32.7	17.3	8.5
-35°	429.4	265.6	144.2	69.3	33.0	17.2	8.5
-37.5°	432.3	267.2	145.3	68.2	33.1	17.2	8.5
-40°	431.2	267.8	144.7	66.5	33.1	17.1	8.5
-42.5°	426.1	265.6	143.7	64.9	32.9	17.0	8.5
-45°	417.0	260.6	142.3	63.8	32.6	16.9	8.5
-47.5°	404.0	252.9	139.5	61.8	32.1	16.7	8.5
-50°	389.7	242.5	135.2	61.2	31.5	16.5	8.5
-52.5°	372.1	229.5	129.4	60.6	30.7	16.2	8.5
-55°	350.7	217.8	122.1	59.3	29.8	16.0	8.5
-57.5°	325.7	204.8	113.5	57.5	28.8	15.6	8.5
-60°	298.1	189.6	103.9	55.0	27.6	15.3	8.5
-62.5°	273.6	172.4	97.5	51.9	26.6	14.9	8.5
-65°	246.5	153.4	90.2	48.3	25.4	14.5	8.5
-67.5°	216.9	136.1	81.9	44.3	24.2	14.1	8.5
-70°	185.0	120.9	72.8	39.7	22.9	13.7	8.5
-72.5°	159.2	104.5	63.0	36.4	21.6	13.2	8.5
-75°	132.9	86.9	52.4	33.2	20.1	12.7	8.5
-77.5°	105.4	68.5	45.4	29.8	18.6	12.2	8.5
-80°	76.7	55.2	39.0	26.2	17.1	11.7	8.5
-82.5°	59.8	44.8	32.3	22.6	15.5	11.2	8.5
-85°	44.3	34.0	25.5	18.8	13.9	10.6	8.5
-87.5°	28.6	23.2	18.6	15.0	12.3	10.1	8.5
-90°	8.5	8.5	8.5	8.5	8.5	8.5	8.5

(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

