

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: P731472 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-70-7F-CV5**

Issue Date: 11/16/2023

Test Information

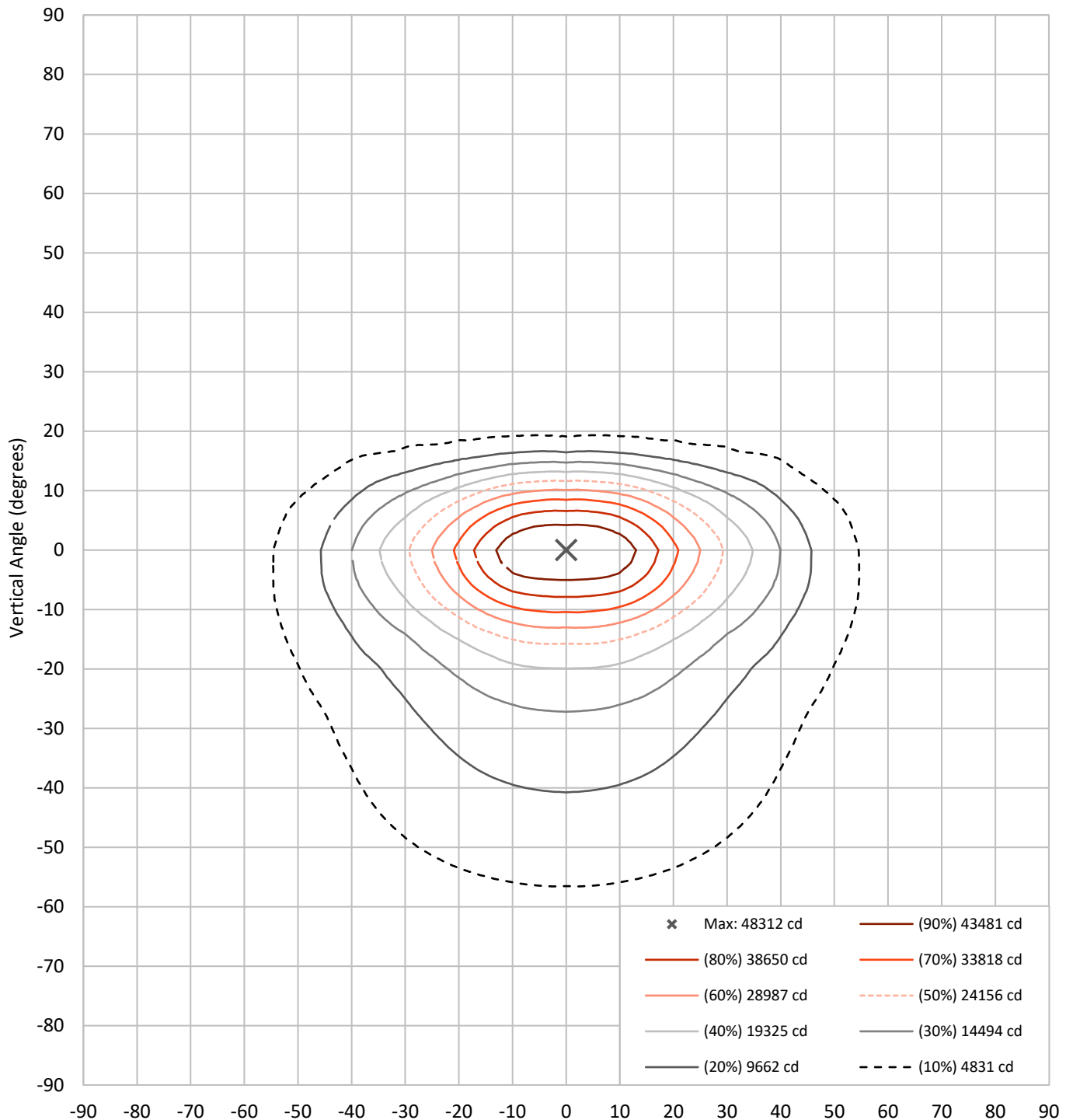
Test Method: LM-79-08
Report Number: P731472 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-42)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-70-7F-CV5
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:	32507.4 lumens	Max Intensity:	48312 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	58.1 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:	12832.6 lumens	Field Lumens:	28607.2 lumens
Beam Efficiency:	39.5%	Field Efficiency:	88.0%
Input Watts (W):	559.9		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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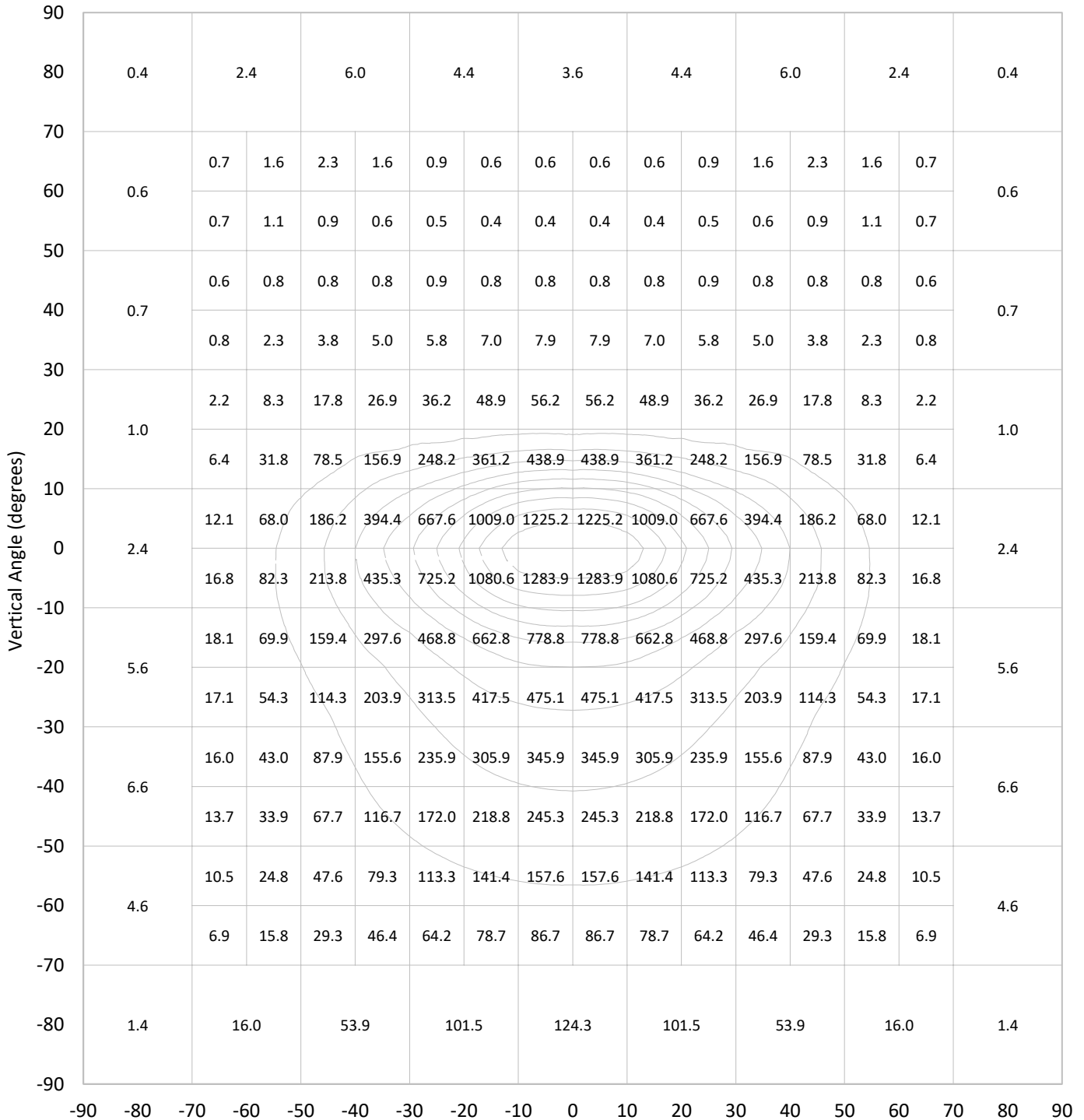
Iso-Candela Plot





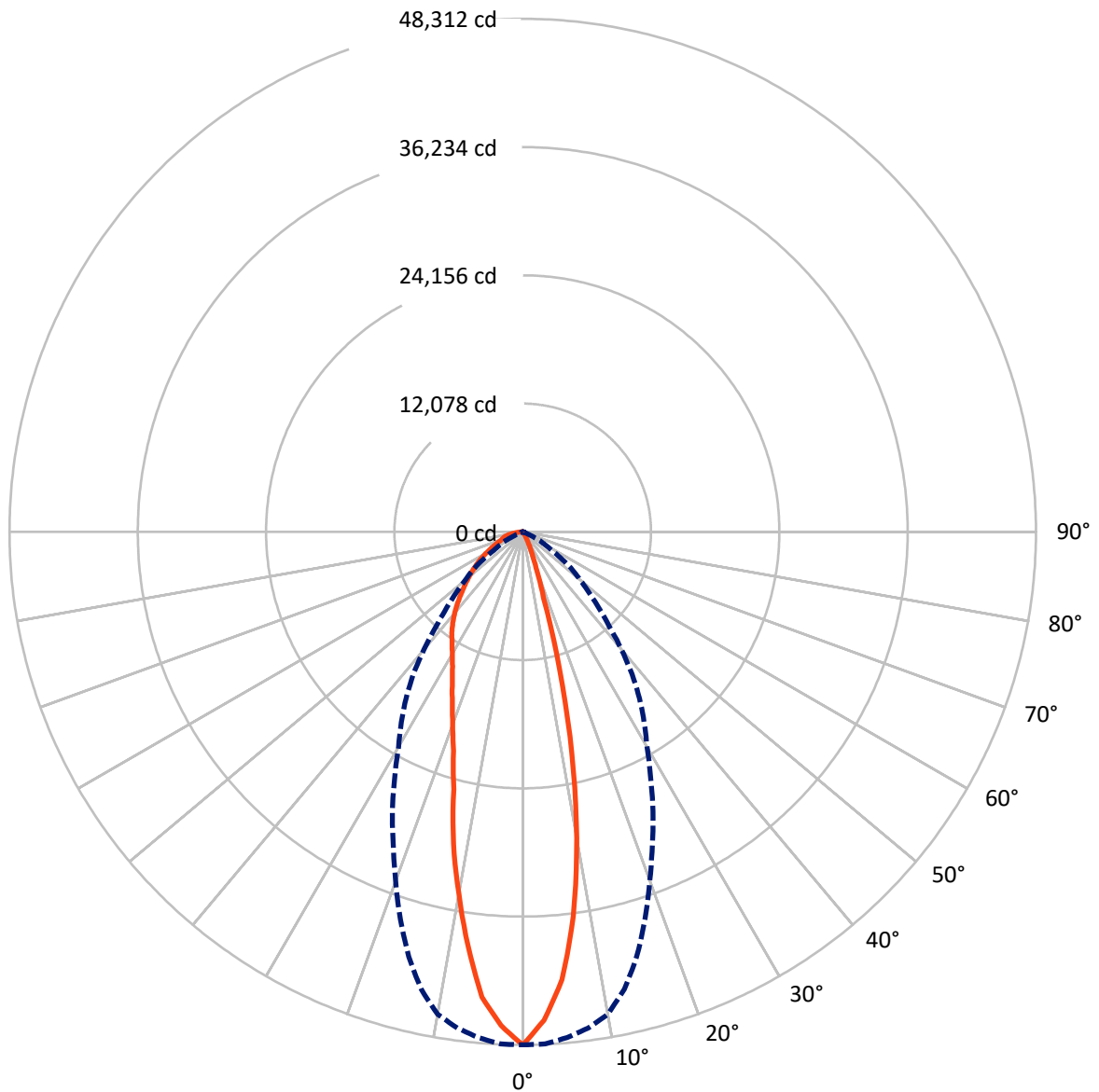
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Lumen Table



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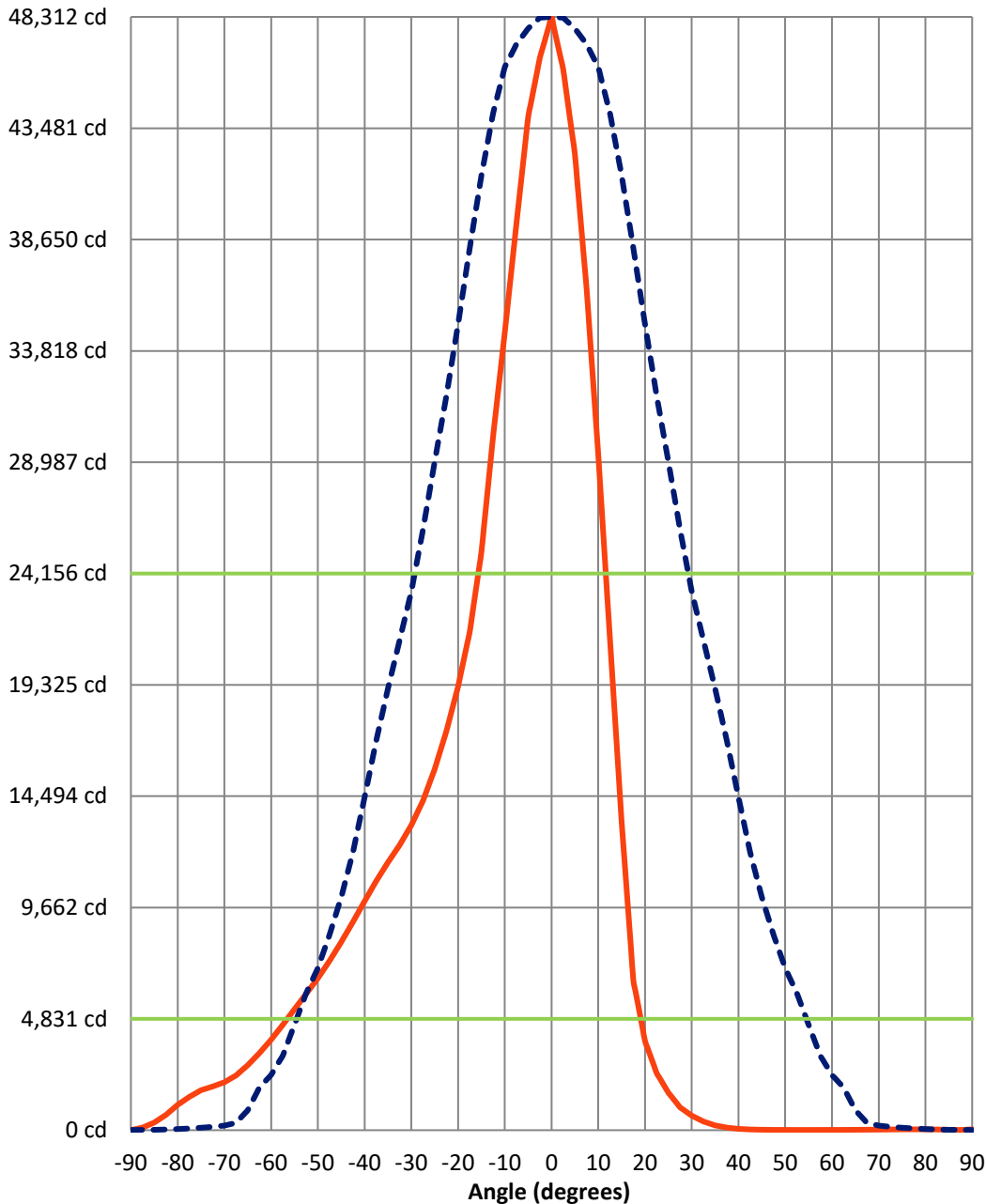
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 27.3°
 Lumens: 12832.6
 Efficiency: 39.5%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 28607.2
 Efficiency: 88.0%

Spill:
 Lumens: 3900.2
 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°	7.0	7.9	8.8	9.2	9.7	10.1	10.5	11.0	11.4	11.9	12.3
87.5°	7.0	7.3	7.8	8.3	9.0	9.8	10.6	10.8	10.9	10.9	10.7
85°	7.0	7.6	8.5	9.6	11.0	12.5	14.3	14.7	14.8	14.8	14.5
82.5°	7.0	7.9	9.3	10.9	12.9	15.2	17.9	18.6	18.9	20.3	22.8
80°	7.0	8.2	10.0	12.2	14.9	17.9	21.2	22.1	24.4	28.2	33.5
77.5°	7.0	8.5	10.8	13.5	16.8	20.0	22.8	25.4	29.7	35.9	42.1
75°	7.0	8.8	11.5	14.7	18.3	20.8	24.4	28.5	34.4	39.4	44.6
72.5°	7.0	9.1	12.2	15.9	18.6	21.6	25.8	31.0	36.1	41.4	47.0
70°	7.0	9.4	12.9	16.9	18.9	22.3	27.1	32.2	37.7	43.3	48.8
67.5°	7.0	9.6	13.5	16.8	19.1	22.9	28.1	33.4	39.1	44.7	50.3
65°	7.0	9.9	14.2	16.7	19.2	23.6	29.2	34.5	40.2	46.0	52.2
62.5°	7.0	10.2	14.8	16.6	19.2	24.6	30.2	35.4	41.3	47.4	55.3
60°	7.0	10.4	15.3	16.4	19.2	25.5	31.2	36.2	42.2	49.7	58.0
57.5°	7.0	10.6	15.2	16.1	19.9	26.5	32.3	37.1	43.7	51.7	59.0
55°	7.0	10.9	15.0	15.9	20.7	27.4	33.6	38.3	45.1	53.1	59.2
52.5°	7.0	11.1	14.9	15.5	21.5	28.3	34.8	39.9	46.3	53.2	59.3
50°	7.0	11.3	14.8	15.2	22.2	29.5	36.1	41.5	47.0	53.1	56.4
47.5°	7.0	11.5	14.7	15.0	22.9	30.7	37.5	43.2	46.9	53.0	53.5
45°	7.0	11.6	14.7	15.5	23.6	31.9	39.0	44.9	48.0	50.9	51.0
42.5°	7.0	11.8	14.6	15.9	24.2	33.1	40.4	46.3	49.3	49.1	48.6
40°	7.0	11.9	14.6	16.7	25.0	34.3	41.8	47.6	50.5	47.9	46.6
37.5°	7.0	12.0	14.6	17.6	25.9	35.6	43.3	49.0	51.5	49.1	44.9
35°	7.0	12.2	14.6	18.6	26.8	36.7	44.6	50.5	52.8	51.3	45.1
32.5°	7.0	12.3	14.6	19.5	27.7	37.8	46.0	52.1	54.6	54.6	54.0
30°	7.0	12.3	14.7	20.5	28.5	38.8	47.2	53.7	56.8	59.1	65.0
27.5°	7.0	12.4	14.7	21.4	30.2	39.8	48.4	55.3	59.7	64.6	78.2
25°	7.0	12.5	14.8	22.3	32.1	40.7	49.7	57.2	64.0	73.9	94.7
22.5°	7.0	12.5	14.9	23.2	34.0	42.2	50.9	59.2	68.8	85.7	148.5
20°	7.0	12.5	15.0	24.1	35.9	45.5	52.2	61.4	74.1	98.4	209.9
17.5°	7.0	12.6	15.1	25.0	37.8	49.0	56.7	63.7	79.8	111.9	277.3
15°	7.0	12.6	15.2	25.8	39.7	52.6	63.5	70.1	85.7	125.8	348.9
12.5°	7.0	12.5	15.3	26.6	41.5	56.2	70.7	82.0	99.5	140.0	423.0
10°	7.0	12.5	15.4	27.4	43.2	59.9	78.0	94.3	119.6	173.3	505.8
7.5°	7.0	12.5	15.5	28.1	44.9	63.5	85.4	106.9	140.0	210.1	604.4
5°	7.0	12.4	15.6	28.7	46.4	67.1	92.8	119.4	160.4	246.8	699.1
2.5°	7.0	12.4	15.7	29.3	47.9	70.5	100.1	131.9	180.5	283.0	787.5
0°	7.0	12.3	15.8	29.8	49.2	73.7	107.1	144.0	200.1	317.7	867.2
-2.5°	7.0	12.6	17.0	33.5	57.5	89.7	135.1	190.1	270.1	414.3	964.8
-5°	7.0	12.8	18.2	37.0	65.5	105.3	162.3	235.1	338.2	507.5	1051.3
-7.5°	7.0	13.1	19.4	40.4	73.2	120.2	188.3	278.3	403.6	596.2	1127.1
-10°	7.0	13.3	20.5	43.5	80.4	134.3	213.0	319.0	465.1	679.4	1192.2
-12.5°	7.0	13.5	21.6	46.5	87.2	147.4	235.8	356.7	522.0	752.7	1218.7
-15°	7.0	13.7	22.6	49.2	93.3	159.4	256.5	390.8	568.4	797.2	1224.5
-17.5°	7.0	13.8	23.5	51.5	98.7	170.0	274.7	420.3	603.9	836.0	1224.6
-20°	7.0	14.0	24.4	53.6	103.4	179.1	291.8	446.0	635.1	868.8	1220.2



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 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.0	14.1	25.1	55.3	107.3	186.5	309.1	467.9	661.9	895.3	1212.2
-25°	7.0	14.2	25.8	56.6	110.2	196.0	323.9	486.0	684.0	915.2	1201.5
-27.5°	7.0	14.3	26.4	57.5	112.2	205.2	335.9	500.0	701.2	931.7	1217.9
-30°	7.0	14.3	26.8	57.9	113.6	212.4	345.1	509.8	714.9	948.1	1227.6
-32.5°	7.0	14.3	27.2	57.9	117.3	217.5	351.4	518.5	724.0	958.1	1228.9
-35°	7.0	14.3	27.4	57.5	119.6	220.4	356.3	524.2	727.3	961.8	1221.8
-37.5°	7.0	14.3	27.5	56.6	120.5	221.8	358.6	525.8	724.7	959.0	1181.8
-40°	7.0	14.2	27.5	55.2	120.1	222.2	357.8	523.3	716.2	950.1	1140.1
-42.5°	7.0	14.1	27.3	53.8	119.2	220.4	353.6	516.7	706.7	911.5	1092.4
-45°	7.0	14.0	27.1	52.9	118.1	216.3	346.1	506.7	694.1	865.5	1039.3
-47.5°	7.0	13.9	26.7	51.3	115.7	209.9	335.3	493.4	675.6	815.5	982.9
-50°	7.0	13.7	26.2	50.8	112.2	201.2	323.4	475.6	635.6	769.4	921.9
-52.5°	7.0	13.5	25.5	50.3	107.3	190.4	308.8	453.6	593.2	719.1	857.2
-55°	7.0	13.2	24.8	49.3	101.4	180.8	291.0	427.8	548.6	664.7	794.7
-57.5°	7.0	13.0	23.9	47.7	94.2	169.9	270.3	400.3	501.3	609.4	727.6
-60°	7.0	12.7	22.9	45.6	86.2	157.3	247.4	363.8	452.8	551.9	658.1
-62.5°	7.0	12.4	22.1	43.1	80.9	143.1	227.1	323.7	406.8	491.8	589.2
-65°	7.0	12.1	21.1	40.1	74.9	127.3	204.6	284.8	359.6	436.6	517.3
-67.5°	7.0	11.7	20.1	36.7	68.0	113.0	180.0	250.8	311.1	382.0	452.6
-70°	7.0	11.3	19.1	33.0	60.4	100.4	153.6	216.2	272.1	326.2	390.5
-72.5°	7.0	11.0	17.9	30.2	52.2	86.7	132.1	181.0	232.8	282.6	330.5
-75°	7.0	10.6	16.7	27.5	43.5	72.1	110.3	149.6	192.9	238.8	283.0
-77.5°	7.0	10.1	15.5	24.7	37.6	56.8	87.4	118.7	153.8	193.4	234.9
-80°	7.0	9.7	14.2	21.8	32.3	45.8	63.5	87.0	113.7	144.1	178.1
-82.5°	7.0	9.3	12.9	18.7	26.8	37.1	49.6	60.1	72.8	93.8	117.5
-85°	7.0	8.8	11.5	15.6	21.2	28.2	36.7	43.8	51.5	59.7	68.5
-87.5°	7.0	8.4	10.2	12.4	15.4	19.2	23.7	27.4	31.5	35.8	40.5
-90°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0



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 CATALOG NUMBER: EPH-LS-08-0530N-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°	12.7	13.2	13.6	14.0	15.3	16.7	18.0	19.3	21.5	23.7	25.9
87.5°	11.5	12.3	13.1	14.0	13.4	12.7	11.8	10.8	11.5	12.4	13.3
85°	15.9	17.5	19.8	21.6	21.5	21.6	21.9	22.5	24.0	25.3	26.3
82.5°	25.7	28.0	29.7	30.7	32.4	34.5	37.2	41.4	43.7	45.1	46.0
80°	36.7	38.7	40.2	43.2	48.4	54.5	61.1	68.1	70.5	70.7	70.0
77.5°	44.0	46.9	51.7	58.4	66.2	73.8	82.0	90.8	93.4	92.8	91.5
75°	48.9	54.6	61.8	70.7	80.2	90.0	100.3	109.8	112.5	109.7	106.0
72.5°	52.6	60.1	69.7	81.4	92.2	102.2	112.8	124.1	128.0	121.9	114.3
70°	55.2	64.7	76.3	88.6	100.9	111.7	121.7	132.6	138.8	128.4	113.2
67.5°	57.3	69.2	81.8	94.5	105.5	115.9	127.2	130.7	132.2	116.4	100.2
65°	60.6	73.2	84.7	96.0	107.8	111.3	113.7	116.1	113.5	95.6	77.9
62.5°	63.8	74.2	85.2	93.9	96.7	98.5	96.5	91.8	85.5	73.1	58.6
60°	64.8	74.0	81.1	83.7	84.5	80.9	75.4	69.7	63.1	52.8	42.9
57.5°	65.1	69.7	72.5	73.0	69.7	63.9	58.4	51.1	45.6	39.1	31.1
55°	63.5	62.5	63.8	61.7	56.8	50.7	44.2	39.3	32.8	28.9	24.2
52.5°	59.1	56.6	55.4	51.9	46.5	40.8	35.6	30.8	27.0	22.8	19.9
50°	55.2	51.9	48.2	44.0	39.8	36.0	30.0	26.7	23.5	20.3	17.6
47.5°	51.6	47.7	42.2	38.7	38.1	35.8	30.1	24.9	22.1	22.0	19.6
45°	48.4	45.1	38.8	39.5	40.6	40.5	36.4	24.4	27.1	27.7	26.3
42.5°	45.7	44.3	46.1	41.9	48.5	52.1	49.0	40.8	36.3	40.3	42.0
40°	46.0	45.4	60.7	60.2	61.2	70.7	75.3	69.5	53.5	63.4	68.0
37.5°	47.8	63.7	82.8	89.0	83.5	99.8	109.6	116.3	103.7	95.7	109.7
35°	50.8	86.7	115.1	128.4	129.2	138.6	164.0	174.5	166.2	153.4	164.7
32.5°	66.3	114.2	153.4	176.0	196.8	206.5	229.1	239.9	249.1	249.1	244.3
30°	99.3	150.5	197.8	228.7	278.7	324.2	314.3	316.7	350.3	384.4	401.0
27.5°	155.6	195.5	247.3	303.0	379.5	468.0	483.8	438.9	484.6	547.8	603.8
25°	226.4	331.4	300.0	391.7	518.9	641.7	707.0	738.1	675.6	767.5	900.1
22.5°	324.3	503.8	505.4	488.4	675.7	847.3	1008.1	1162.1	1241.8	1141.8	1279.7
20°	456.2	688.1	762.3	844.8	910.2	1081.1	1358.6	1694.7	2002.5	2176.7	2096.8
17.5°	607.8	889.3	1059.7	1280.3	1498.3	1591.6	1768.3	2318.7	2916.2	3424.9	3698.4
15°	774.7	1104.3	1381.4	1760.7	2152.7	2448.1	2754.3	3227.2	4016.0	4886.2	5582.9
12.5°	952.1	1329.4	1721.2	2275.7	2857.9	3343.8	3889.7	4608.9	5518.8	6604.3	7739.2
10°	1134.9	1560.7	2072.6	2813.6	3599.1	4266.1	5047.4	5990.7	7152.6	8505.1	9931.4
7.5°	1328.5	1787.0	2419.0	3362.0	4359.7	5201.5	6211.7	7359.6	8769.5	10377.2	12096.7
5°	1516.2	2000.5	2707.7	3803.0	4977.0	5990.9	7272.5	8697.0	10350.2	12199.4	14225.8
2.5°	1691.1	2205.0	2981.2	4206.6	5477.9	6530.6	7902.7	9434.4	11299.3	13479.6	15823.3
0°	1848.6	2398.0	3235.4	4578.4	5940.7	7032.6	8480.9	10110.0	12053.4	14446.2	16909.2
-2.5°	1916.9	2498.7	3350.0	4633.8	5929.2	7041.7	8435.3	10097.2	11971.3	14252.7	16668.6
-5°	1965.1	2583.8	3440.3	4653.9	5879.4	7008.8	8338.0	10008.0	11710.7	13739.9	15904.4
-7.5°	1995.6	2651.4	3505.5	4619.7	5717.0	6751.4	7907.7	9330.2	10882.6	12689.0	14594.6
-10°	2002.1	2644.2	3407.6	4397.4	5401.6	6350.0	7380.4	8615.7	10003.9	11583.6	13240.4
-12.5°	1939.8	2571.0	3269.7	4159.1	5075.1	5933.1	6835.3	7884.8	9088.0	10445.9	11912.6
-15°	1872.3	2488.1	3121.5	3910.7	4745.4	5507.7	6281.8	7152.2	8219.7	9456.9	10721.7
-17.5°	1803.0	2397.0	2966.0	3657.8	4420.0	5080.5	5757.9	6584.6	7541.2	8583.7	9613.2
-20°	1734.9	2299.0	2806.0	3405.3	4103.7	4727.3	5388.1	6114.4	6917.4	7767.1	8585.6



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 CATALOG NUMBER: EPH-LS-08-0530N-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°	1671.0	2195.5	2658.1	3193.6	3831.9	4430.0	5020.1	5644.2	6309.2	6997.0	7860.7
-25°	1628.1	2096.0	2529.0	3025.5	3576.8	4128.7	4649.3	5185.8	5758.2	6519.0	7319.0
-27.5°	1601.5	2011.4	2415.7	2856.8	3332.5	3831.5	4302.7	4775.9	5414.0	6098.7	6806.6
-30°	1575.4	1927.1	2297.6	2697.3	3130.4	3563.2	3968.9	4503.6	5098.5	5724.9	6354.5
-32.5°	1525.6	1838.8	2189.9	2559.9	2942.6	3317.4	3740.9	4266.7	4812.4	5363.1	5931.4
-35°	1463.9	1760.7	2084.3	2420.2	2763.3	3134.0	3563.4	4026.2	4527.6	5039.9	5600.8
-37.5°	1410.0	1675.8	1974.8	2288.1	2609.6	2974.6	3369.3	3801.8	4258.7	4737.8	5273.3
-40°	1350.2	1584.4	1871.2	2164.9	2466.8	2807.9	3179.7	3572.7	3993.3	4451.4	4931.9
-42.5°	1286.1	1511.7	1764.5	2038.5	2325.6	2637.5	2975.2	3344.8	3737.2	4154.2	4594.4
-45°	1226.6	1433.4	1655.9	1911.9	2177.4	2461.1	2774.2	3105.9	3477.8	3861.8	4258.4
-47.5°	1160.5	1351.8	1562.5	1776.6	2025.4	2287.0	2564.5	2878.3	3206.9	3563.5	3929.6
-50°	1089.1	1270.8	1456.3	1652.2	1869.7	2108.8	2362.3	2644.8	2948.9	3260.3	3589.6
-52.5°	1015.8	1182.7	1350.5	1525.1	1719.2	1931.6	2162.2	2412.1	2685.8	2971.4	3255.6
-55°	937.6	1091.8	1241.0	1399.7	1568.9	1758.2	1961.9	2184.7	2414.2	2674.3	2924.7
-57.5°	858.6	994.3	1130.1	1274.2	1425.0	1583.4	1769.0	1957.7	2164.7	2378.5	2587.1
-60°	776.8	895.2	1016.0	1146.2	1282.4	1426.0	1577.0	1745.5	1920.8	2093.8	2277.5
-62.5°	692.0	796.4	902.8	1014.3	1136.7	1266.0	1401.0	1541.4	1686.0	1836.5	1984.9
-65°	610.1	698.7	791.5	889.0	987.2	1105.7	1225.2	1343.3	1469.7	1591.6	1710.5
-67.5°	526.8	610.8	688.8	765.0	855.5	957.1	1051.0	1158.1	1263.9	1364.1	1461.0
-70°	457.8	525.0	596.6	665.5	736.8	823.3	915.4	1000.5	1080.7	1164.7	1255.5
-72.5°	391.3	456.2	516.1	571.2	643.4	724.3	799.9	870.1	946.5	1026.3	1099.8
-75°	330.5	387.0	445.5	499.7	559.8	630.5	706.6	778.1	843.0	907.7	974.6
-77.5°	271.9	314.4	363.6	419.2	478.8	533.8	593.9	658.7	719.4	781.0	846.4
-80°	208.8	239.1	272.5	311.0	355.3	403.8	455.9	511.3	559.8	604.4	648.5
-82.5°	140.5	163.6	187.0	210.6	235.3	261.4	290.2	325.5	357.0	388.5	420.6
-85°	77.8	87.6	103.6	119.7	133.5	148.0	163.3	179.4	194.3	208.9	223.3
-87.5°	45.3	50.4	55.8	61.3	65.0	68.6	71.9	75.1	79.4	83.5	87.5
-90°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	28.1	28.5	29.0	29.4	29.8	31.1	32.5	33.8	35.1	34.7	34.3
87.5°	14.2	14.0	13.7	13.5	13.2	14.5	15.9	17.3	18.8	17.2	15.6
85°	27.0	27.1	27.1	27.0	26.9	28.7	30.5	32.3	34.0	31.4	28.6
82.5°	46.3	45.5	43.9	41.7	38.9	38.3	37.6	36.5	35.2	33.7	32.3
80°	68.7	65.5	61.2	56.2	50.7	47.8	45.0	41.8	38.4	37.4	36.6
77.5°	88.6	82.7	75.4	67.5	59.1	54.0	49.8	45.3	40.7	39.7	39.3
75°	101.3	93.6	83.0	72.0	60.7	53.6	48.5	43.4	38.5	37.0	36.4
72.5°	105.2	94.4	82.1	68.3	55.0	46.7	41.9	37.6	33.7	32.2	31.4
70°	98.4	84.0	70.3	57.2	44.9	37.2	33.8	30.9	28.4	27.3	26.9
67.5°	83.1	68.1	55.3	44.2	35.4	29.7	27.7	26.0	24.4	23.4	22.7
65°	63.2	51.3	42.0	34.6	29.0	25.5	23.9	22.5	21.1	20.0	19.2
62.5°	46.4	37.8	32.3	28.1	24.8	22.5	21.0	19.8	18.7	17.9	17.2
60°	35.0	29.1	25.7	23.0	20.9	19.4	18.6	17.8	17.0	16.2	15.5
57.5°	26.7	23.2	20.7	19.4	18.4	17.8	17.1	16.2	15.4	14.6	13.8
55°	21.1	19.3	17.9	17.5	17.1	16.4	15.6	14.9	14.0	13.0	12.2
52.5°	17.8	17.6	17.6	17.3	16.8	16.3	15.7	14.6	13.6	12.5	11.9
50°	17.6	17.7	17.8	17.5	16.9	16.4	15.9	15.1	14.4	13.6	13.2
47.5°	18.2	18.5	19.5	17.9	17.6	18.0	17.7	17.1	16.8	16.4	16.0
45°	21.4	25.2	26.2	24.7	21.7	24.2	23.4	20.6	22.2	22.0	20.7
42.5°	38.2	42.2	45.2	43.3	37.0	39.1	39.1	34.9	36.1	36.2	34.6
40°	72.8	71.4	76.4	74.3	67.6	65.2	68.0	63.2	62.3	64.6	61.8
37.5°	119.9	120.7	118.4	118.7	116.3	109.7	113.7	112.3	108.4	115.9	116.7
35°	187.4	193.2	174.8	182.1	185.2	178.1	182.6	195.4	187.2	204.8	209.6
32.5°	277.8	289.8	281.2	272.9	286.6	297.6	302.7	329.9	337.1	353.1	372.1
30°	389.3	420.6	445.3	429.8	428.1	466.9	489.4	525.8	561.1	582.3	621.0
27.5°	621.2	611.6	670.4	687.8	649.1	711.2	795.5	811.5	919.0	927.7	1002.9
25°	981.8	976.9	994.5	1079.8	1101.4	1132.5	1277.2	1353.6	1476.9	1543.5	1601.2
22.5°	1466.0	1602.9	1626.2	1587.0	1774.3	1896.8	1937.3	2157.2	2257.8	2408.0	2453.1
20°	2071.6	2389.9	2791.9	2798.3	2721.2	3074.1	3220.3	3335.9	3581.7	3752.9	3869.0
17.5°	3659.3	3656.8	4478.0	4931.7	4880.4	5134.4	5853.2	5779.0	6359.7	6711.8	6726.6
15°	5989.4	6423.7	6944.9	7767.8	8468.2	9032.8	9715.3	10606.8	11328.9	12177.0	12820.9
12.5°	8655.1	9510.5	10402.4	11341.1	12440.3	13688.6	15046.2	16234.7	17648.5	18885.8	20165.2
10°	11326.1	12680.8	13939.6	15342.5	16904.8	18567.5	20558.6	22298.2	24389.6	26223.9	27429.8
7.5°	13775.3	15400.4	17101.7	19141.0	21321.6	23409.6	25663.6	28103.5	30550.3	32669.6	34469.4
5°	16169.2	17996.1	19881.8	22128.1	24620.1	27236.4	30025.5	32911.1	35474.9	37889.3	39990.6
2.5°	18047.2	20139.8	22294.1	24834.2	27515.3	30166.7	32958.8	36065.2	39046.9	41870.6	44029.4
0°	19163.3	21262.9	23376.5	26067.7	29011.8	31861.0	34973.5	38280.9	41428.6	44128.5	46129.8
-2.5°	18718.7	20763.7	22899.5	25558.2	28394.5	31049.3	34023.2	37227.0	40275.7	43010.1	45087.2
-5°	17713.4	19548.2	21505.9	23964.3	26617.8	29255.3	32170.9	35218.6	37848.6	40275.8	42138.1
-7.5°	16299.8	17992.5	19818.3	22094.3	24534.5	26837.8	29220.9	31679.7	34073.1	36148.9	37681.2
-10°	14798.4	16330.8	17902.5	19727.7	21807.3	23817.7	25828.5	28071.1	30043.6	31757.4	33021.1
-12.5°	13292.8	14551.6	15791.5	17187.2	18971.6	20781.0	22520.1	24400.6	25971.7	27385.6	28509.7
-15°	11847.6	12827.6	13768.5	15119.3	16690.7	18026.9	19097.0	20800.3	21866.8	23123.6	23909.6
-17.5°	10504.4	11286.9	12430.3	13591.5	14712.6	15810.8	17045.5	18053.9	19100.8	20127.3	20802.8
-20°	9447.5	10415.3	11381.8	12326.1	13289.3	14337.4	15314.8	16267.8	17180.1	17969.1	18510.6



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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°	8759.5	9618.7	10432.3	11282.1	12220.3	13100.4	13926.3	14803.8	15583.9	16173.0	16613.6
-25°	8098.9	8846.1	9637.6	10487.9	11281.7	12022.5	12783.0	13460.4	14126.0	14616.5	15028.8
-27.5°	7503.4	8212.3	8992.2	9745.8	10453.4	11145.7	11791.9	12353.1	12907.6	13299.9	13709.9
-30°	6985.5	7703.5	8412.8	9082.6	9747.3	10374.6	10944.4	11477.2	11942.4	12324.6	12668.3
-32.5°	6594.3	7245.4	7877.0	8503.7	9133.6	9711.9	10210.7	10722.5	11150.6	11517.0	11828.2
-35°	6207.5	6819.7	7403.5	7977.8	8557.5	9115.1	9598.1	10043.6	10465.0	10792.9	11078.1
-37.5°	5830.3	6401.1	6941.3	7457.7	7988.2	8502.2	8942.7	9361.3	9737.9	10041.0	10311.6
-40°	5450.3	5973.2	6456.1	6937.3	7413.9	7844.7	8258.7	8644.3	8967.0	9246.4	9492.6
-42.5°	5057.6	5518.0	5953.7	6394.1	6829.4	7210.5	7576.0	7922.3	8197.0	8444.6	8657.8
-45°	4663.6	5068.7	5467.8	5863.5	6221.7	6573.6	6904.8	7197.3	7444.9	7664.2	7849.2
-47.5°	4284.3	4628.6	4993.7	5354.6	5662.3	5963.5	6253.3	6501.2	6716.3	6908.1	7070.8
-50°	3905.2	4212.5	4531.0	4840.6	5122.8	5387.2	5630.1	5846.7	6042.7	6208.5	6348.1
-52.5°	3529.9	3815.2	4087.5	4339.3	4595.7	4838.8	5064.7	5254.1	5425.9	5579.2	5702.2
-55°	3171.7	3424.0	3678.6	3892.9	4100.2	4302.7	4490.8	4660.0	4815.7	4956.5	5066.8
-57.5°	2810.3	3030.3	3243.1	3435.3	3621.3	3799.9	3952.3	4084.9	4209.2	4323.0	4420.2
-60°	2461.5	2644.8	2824.5	2985.0	3139.9	3288.5	3418.4	3531.2	3631.2	3719.5	3799.2
-62.5°	2134.0	2291.6	2434.8	2564.3	2685.6	2806.8	2917.4	3015.0	3099.8	3172.3	3234.7
-65°	1832.9	1963.3	2077.8	2185.1	2285.8	2387.9	2476.8	2556.9	2628.3	2688.2	2736.3
-67.5°	1565.3	1667.3	1762.6	1845.7	1931.3	2018.2	2098.6	2168.8	2229.3	2277.2	2314.6
-70°	1339.5	1422.1	1507.6	1590.4	1671.9	1746.6	1816.1	1878.3	1933.6	1974.8	2007.8
-72.5°	1167.1	1236.8	1315.7	1399.3	1476.7	1550.9	1621.6	1687.4	1748.6	1787.9	1818.6
-75°	1043.4	1115.3	1185.9	1255.5	1324.1	1389.4	1455.2	1522.3	1590.1	1630.1	1662.2
-77.5°	906.7	957.1	1009.5	1066.4	1126.8	1185.4	1242.7	1299.3	1354.8	1382.6	1403.8
-80°	695.1	735.3	774.8	814.8	854.9	896.2	937.7	979.0	1019.5	1038.3	1052.3
-82.5°	453.1	480.7	506.9	532.2	556.4	577.0	596.3	614.3	630.8	638.9	644.5
-85°	237.3	249.5	261.0	271.8	282.0	288.3	293.7	298.3	302.1	307.2	311.5
-87.5°	91.3	94.8	98.1	101.4	104.6	106.2	107.6	108.8	109.8	111.4	112.9
-90°	7.0	6.6	6.2	5.7	5.3	4.9	4.4	4.0	3.5	3.5	3.5



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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°	33.8	33.4	34.3	35.1	34.3	33.4	33.8	34.3	34.7	35.1	33.8
87.5°	14.0	12.3	11.4	10.5	11.4	12.3	14.0	15.6	17.2	18.8	17.3
85°	25.7	22.7	21.0	19.3	21.0	22.7	25.7	28.6	31.4	34.0	32.3
82.5°	31.0	29.7	29.8	29.8	29.8	29.7	31.0	32.3	33.7	35.2	36.5
80°	35.8	35.0	35.1	35.1	35.1	35.0	35.8	36.6	37.4	38.4	41.8
77.5°	39.0	38.6	37.8	36.9	37.8	38.6	39.0	39.3	39.7	40.7	45.3
75°	35.8	35.2	35.1	35.1	35.1	35.2	35.8	36.4	37.0	38.5	43.4
72.5°	30.6	30.0	29.8	29.8	29.8	30.0	30.6	31.4	32.2	33.7	37.6
70°	26.6	26.4	25.5	24.6	25.5	26.4	26.6	26.9	27.3	28.4	30.9
67.5°	22.0	21.4	21.1	21.1	21.1	21.4	22.0	22.7	23.4	24.4	26.0
65°	18.5	17.8	17.6	17.6	17.6	17.8	18.5	19.2	20.0	21.1	22.5
62.5°	16.6	16.0	15.0	14.0	15.0	16.0	16.6	17.2	17.9	18.7	19.8
60°	14.9	14.2	13.3	12.3	13.3	14.2	14.9	15.5	16.2	17.0	17.8
57.5°	13.2	12.6	12.3	12.3	12.3	12.6	13.2	13.8	14.6	15.4	16.2
55°	11.5	10.8	10.5	10.5	10.5	10.8	11.5	12.2	13.0	14.0	14.9
52.5°	11.3	10.7	10.5	10.5	10.5	10.7	11.3	11.9	12.5	13.6	14.6
50°	12.8	12.4	12.3	12.3	12.3	12.4	12.8	13.2	13.6	14.4	15.1
47.5°	15.4	14.5	14.0	14.0	14.0	14.5	15.4	16.0	16.4	16.8	17.1
45°	20.2	19.6	19.2	19.3	19.2	19.6	20.2	20.7	22.0	22.2	20.6
42.5°	35.0	34.0	32.6	31.6	32.6	34.0	35.0	34.6	36.2	36.1	34.9
40°	62.0	60.7	58.6	57.9	58.6	60.7	62.0	61.8	64.6	62.3	63.2
37.5°	118.3	117.4	113.7	112.4	113.7	117.4	118.3	116.7	115.9	108.4	112.3
35°	209.2	210.8	207.3	207.2	207.3	210.8	209.2	209.6	204.8	187.2	195.4
32.5°	378.4	382.4	371.7	377.4	371.7	382.4	378.4	372.1	353.1	337.1	329.9
30°	619.7	633.6	627.5	630.2	627.5	633.6	619.7	621.0	582.3	561.1	525.8
27.5°	1010.3	1020.6	999.3	991.9	999.3	1020.6	1010.3	1002.9	927.7	919.0	811.5
25°	1633.6	1640.1	1619.3	1627.4	1619.3	1640.1	1633.6	1601.2	1543.5	1476.9	1353.6
22.5°	2544.8	2520.3	2497.3	2475.3	2497.3	2520.3	2544.8	2453.1	2408.0	2257.8	2157.2
20°	3976.9	3920.7	3913.2	3870.9	3913.2	3920.7	3976.9	3869.0	3752.9	3581.7	3335.9
17.5°	7085.6	7187.6	6961.2	6523.5	6961.2	7187.6	7085.6	6726.6	6711.8	6359.7	5779.0
15°	13200.1	13679.1	13884.9	13382.3	13884.9	13679.1	13200.1	12820.9	12177.0	11328.9	10606.8
12.5°	20871.4	21208.7	21617.2	21319.1	21617.2	21208.7	20871.4	20165.2	18885.8	17648.5	16234.7
10°	28465.6	28970.5	29588.8	29310.2	29588.8	28970.5	28465.6	27429.8	26223.9	24389.6	22298.2
7.5°	35459.8	36329.7	36873.0	36523.6	36873.0	36329.7	35459.8	34469.4	32669.6	30550.3	28103.5
5°	41428.8	42116.6	42444.1	42353.7	42444.1	42116.6	41428.8	39990.6	37889.3	35474.9	32911.1
2.5°	45256.8	45982.9	46276.2	46032.4	46276.2	45982.9	45256.8	44029.4	41870.6	39046.9	36065.2
0°	47127.8	47808.1	48275.1	48312.0	48275.1	47808.1	47127.8	46129.8	44128.5	41428.6	38280.9
-2.5°	46046.6	46460.0	46683.4	46534.5	46683.4	46460.0	46046.6	45087.2	43010.1	40275.7	37227.0
-5°	43214.8	43651.9	43793.8	43967.0	43793.8	43651.9	43214.8	42138.1	40275.8	37848.6	35218.6
-7.5°	38543.1	39022.7	39376.3	39361.5	39376.3	39022.7	38543.1	37681.2	36148.9	34073.1	31679.7
-10°	33960.9	34317.2	34686.1	34624.2	34686.1	34317.2	33960.9	33021.1	31757.4	30043.6	28071.1
-12.5°	29419.6	30014.1	30158.5	30115.1	30158.5	30014.1	29419.6	28509.7	27385.6	25971.7	24400.6
-15°	24804.3	25244.8	25208.6	25091.7	25208.6	25244.8	24804.3	23909.6	23123.6	21866.8	20800.3
-17.5°	21387.4	21630.2	21723.0	21631.5	21723.0	21630.2	21387.4	20802.8	20127.3	19100.8	18053.9
-20°	18955.9	19143.5	19206.7	19249.3	19206.7	19143.5	18955.9	18510.6	17969.1	17180.1	16267.8



REPORT NUMBER: P731472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-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°	16993.0	17184.7	17240.2	17313.0	17240.2	17184.7	16993.0	16613.6	16173.0	15583.9	14803.8
-25°	15346.9	15534.2	15597.5	15669.8	15597.5	15534.2	15346.9	15028.8	14616.5	14126.0	13460.4
-27.5°	13984.9	14167.7	14243.9	14298.7	14243.9	14167.7	13984.9	13709.9	13299.9	12907.6	12353.1
-30°	12912.4	13092.4	13201.3	13236.6	13201.3	13092.4	12912.4	12668.3	12324.6	11942.4	11477.2
-32.5°	12061.4	12218.6	12320.9	12372.9	12320.9	12218.6	12061.4	11828.2	11517.0	11150.6	10722.5
-35°	11303.4	11461.3	11567.6	11621.6	11567.6	11461.3	11303.4	11078.1	10792.9	10465.0	10043.6
-37.5°	10528.4	10700.3	10812.8	10815.8	10812.8	10700.3	10528.4	10311.6	10041.0	9737.9	9361.3
-40°	9673.4	9809.6	9898.9	9934.5	9898.9	9809.6	9673.4	9492.6	9246.4	8967.0	8644.3
-42.5°	8815.7	8931.5	9003.8	9033.9	9003.8	8931.5	8815.7	8657.8	8444.6	8197.0	7922.3
-45°	7996.9	8113.6	8173.9	8164.9	8173.9	8113.6	7996.9	7849.2	7664.2	7444.9	7197.3
-47.5°	7195.8	7286.3	7335.8	7346.9	7335.8	7286.3	7195.8	7070.8	6908.1	6716.3	6501.2
-50°	6466.6	6562.5	6603.5	6592.0	6603.5	6562.5	6466.6	6348.1	6208.5	6042.7	5846.7
-52.5°	5803.5	5885.1	5920.5	5916.1	5920.5	5885.1	5803.5	5702.2	5579.2	5425.9	5254.1
-55°	5157.0	5227.4	5255.5	5250.8	5255.5	5227.4	5157.0	5066.8	4956.5	4815.7	4660.0
-57.5°	4500.9	4564.4	4583.2	4571.4	4583.2	4564.4	4500.9	4420.2	4323.0	4209.2	4084.9
-60°	3865.4	3917.6	3933.8	3927.1	3933.8	3917.6	3865.4	3799.2	3719.5	3631.2	3531.2
-62.5°	3286.3	3326.6	3343.2	3344.3	3343.2	3326.6	3286.3	3234.7	3172.3	3099.8	3015.0
-65°	2775.3	2805.2	2818.5	2821.1	2818.5	2805.2	2775.3	2736.3	2688.2	2628.3	2556.9
-67.5°	2344.7	2368.0	2376.2	2377.0	2376.2	2368.0	2344.7	2314.6	2277.2	2229.3	2168.8
-70°	2037.2	2063.2	2074.1	2080.3	2074.1	2063.2	2037.2	2007.8	1974.8	1933.6	1878.3
-72.5°	1847.3	1874.1	1886.6	1896.0	1886.6	1874.1	1847.3	1818.6	1787.9	1748.6	1687.4
-75°	1692.7	1721.2	1730.1	1734.5	1730.1	1721.2	1692.7	1662.2	1630.1	1590.1	1522.3
-77.5°	1422.1	1437.4	1443.1	1444.8	1443.1	1437.4	1422.1	1403.8	1382.6	1354.8	1299.3
-80°	1063.3	1071.4	1086.6	1099.0	1086.6	1071.4	1063.3	1052.3	1038.3	1019.5	979.0
-82.5°	648.0	649.3	658.2	665.3	658.2	649.3	648.0	644.5	638.9	630.8	614.3
-85°	315.1	317.9	325.2	331.8	325.2	317.9	315.1	311.5	307.2	302.1	298.3
-87.5°	114.3	115.6	114.9	114.1	114.9	115.6	114.3	112.9	111.4	109.8	108.8
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	32.5	31.1	29.8	29.4	29.0	28.5	28.1	25.9	23.7	21.5	19.3
87.5°	15.9	14.5	13.2	13.5	13.7	14.0	14.2	13.3	12.4	11.5	10.8
85°	30.5	28.7	26.9	27.0	27.1	27.1	27.0	26.3	25.3	24.0	22.5
82.5°	37.6	38.3	38.9	41.7	43.9	45.5	46.3	46.0	45.1	43.7	41.4
80°	45.0	47.8	50.7	56.2	61.2	65.5	68.7	70.0	70.7	70.5	68.1
77.5°	49.8	54.0	59.1	67.5	75.4	82.7	88.6	91.5	92.8	93.4	90.8
75°	48.5	53.6	60.7	72.0	83.0	93.6	101.3	106.0	109.7	112.5	109.8
72.5°	41.9	46.7	55.0	68.3	82.1	94.4	105.2	114.3	121.9	128.0	124.1
70°	33.8	37.2	44.9	57.2	70.3	84.0	98.4	113.2	128.4	138.8	132.6
67.5°	27.7	29.7	35.4	44.2	55.3	68.1	83.1	100.2	116.4	132.2	130.7
65°	23.9	25.5	29.0	34.6	42.0	51.3	63.2	77.9	95.6	113.5	116.1
62.5°	21.0	22.5	24.8	28.1	32.3	37.8	46.4	58.6	73.1	85.5	91.8
60°	18.6	19.4	20.9	23.0	25.7	29.1	35.0	42.9	52.8	63.1	69.7
57.5°	17.1	17.8	18.4	19.4	20.7	23.2	26.7	31.1	39.1	45.6	51.1
55°	15.6	16.4	17.1	17.5	17.9	19.3	21.1	24.2	28.9	32.8	39.3
52.5°	15.7	16.3	16.8	17.3	17.6	17.6	17.8	19.9	22.8	27.0	30.8
50°	15.9	16.4	16.9	17.5	17.8	17.7	17.6	17.6	20.3	23.5	26.7
47.5°	17.7	18.0	17.6	17.9	19.5	18.5	18.2	19.6	22.0	22.1	24.9
45°	23.4	24.2	21.7	24.7	26.2	25.2	21.4	26.3	27.7	27.1	24.4
42.5°	39.1	39.1	37.0	43.3	45.2	42.2	38.2	42.0	40.3	36.3	40.8
40°	68.0	65.2	67.6	74.3	76.4	71.4	72.8	68.0	63.4	53.5	69.5
37.5°	113.7	109.7	116.3	118.7	118.4	120.7	119.9	109.7	95.7	103.7	116.3
35°	182.6	178.1	185.2	182.1	174.8	193.2	187.4	164.7	153.4	166.2	174.5
32.5°	302.7	297.6	286.6	272.9	281.2	289.8	277.8	244.3	249.1	249.1	239.9
30°	489.4	466.9	428.1	429.8	445.3	420.6	389.3	401.0	384.4	350.3	316.7
27.5°	795.5	711.2	649.1	687.8	670.4	611.6	621.2	603.8	547.8	484.6	438.9
25°	1277.2	1132.5	1101.4	1079.8	994.5	976.9	981.8	900.1	767.5	675.6	738.1
22.5°	1937.3	1896.8	1774.3	1587.0	1626.2	1602.9	1466.0	1279.7	1141.8	1241.8	1162.1
20°	3220.3	3074.1	2721.2	2798.3	2791.9	2389.9	2071.6	2096.8	2176.7	2002.5	1694.7
17.5°	5853.2	5134.4	4880.4	4931.7	4478.0	3656.8	3659.3	3698.4	3424.9	2916.2	2318.7
15°	9715.3	9032.8	8468.2	7767.8	6944.9	6423.7	5989.4	5582.9	4886.2	4016.0	3227.2
12.5°	15046.2	13688.6	12440.3	11341.1	10402.4	9510.5	8655.1	7739.2	6604.3	5518.8	4608.9
10°	20558.6	18567.5	16904.8	15342.5	13939.6	12680.8	11326.1	9931.4	8505.1	7152.6	5990.7
7.5°	25663.6	23409.6	21321.6	19141.0	17101.7	15400.4	13775.3	12096.7	10377.2	8769.5	7359.6
5°	30025.5	27236.4	24620.1	22128.1	19881.8	17996.1	16169.2	14225.8	12199.4	10350.2	8697.0
2.5°	32958.8	30166.7	27515.3	24834.2	22294.1	20139.8	18047.2	15823.3	13479.6	11299.3	9434.4
0°	34973.5	31861.0	29011.8	26067.7	23376.5	21262.9	19163.3	16909.2	14446.2	12053.4	10110.0
-2.5°	34023.2	31049.3	28394.5	25558.2	22899.5	20763.7	18718.7	16668.6	14252.7	11971.3	10097.2
-5°	32170.9	29255.3	26617.8	23964.3	21505.9	19548.2	17713.4	15904.4	13739.9	11710.7	10008.0
-7.5°	29220.9	26837.8	24534.5	22094.3	19818.3	17992.5	16299.8	14594.6	12689.0	10882.6	9330.2
-10°	25828.5	23817.7	21807.3	19727.7	17902.5	16330.8	14798.4	13240.4	11583.6	10003.9	8615.7
-12.5°	22520.1	20781.0	18971.6	17187.2	15791.5	14551.6	13292.8	11912.6	10445.9	9088.0	7884.8
-15°	19097.0	18026.9	16690.7	15119.3	13768.5	12827.6	11847.6	10721.7	9456.9	8219.7	7152.2
-17.5°	17045.5	15810.8	14712.6	13591.5	12430.3	11286.9	10504.4	9613.2	8583.7	7541.2	6584.6
-20°	15314.8	14337.4	13289.3	12326.1	11381.8	10415.3	9447.5	8585.6	7767.1	6917.4	6114.4



REPORT NUMBER: P731472 (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°	13926.3	13100.4	12220.3	11282.1	10432.3	9618.7	8759.5	7860.7	6997.0	6309.2	5644.2
-25°	12783.0	12022.5	11281.7	10487.9	9637.6	8846.1	8098.9	7319.0	6519.0	5758.2	5185.8
-27.5°	11791.9	11145.7	10453.4	9745.8	8992.2	8212.3	7503.4	6806.6	6098.7	5414.0	4775.9
-30°	10944.4	10374.6	9747.3	9082.6	8412.8	7703.5	6985.5	6354.5	5724.9	5098.5	4503.6
-32.5°	10210.7	9711.9	9133.6	8503.7	7877.0	7245.4	6594.3	5931.4	5363.1	4812.4	4266.7
-35°	9598.1	9115.1	8557.5	7977.8	7403.5	6819.7	6207.5	5600.8	5039.9	4527.6	4026.2
-37.5°	8942.7	8502.2	7988.2	7457.7	6941.3	6401.1	5830.3	5273.3	4737.8	4258.7	3801.8
-40°	8258.7	7844.7	7413.9	6937.3	6456.1	5973.2	5450.3	4931.9	4451.4	3993.3	3572.7
-42.5°	7576.0	7210.5	6829.4	6394.1	5953.7	5518.0	5057.6	4594.4	4154.2	3737.2	3344.8
-45°	6904.8	6573.6	6221.7	5863.5	5467.8	5068.7	4663.6	4258.4	3861.8	3477.8	3105.9
-47.5°	6253.3	5963.5	5662.3	5354.6	4993.7	4628.6	4284.3	3929.6	3563.5	3206.9	2878.3
-50°	5630.1	5387.2	5122.8	4840.6	4531.0	4212.5	3905.2	3589.6	3260.3	2948.9	2644.8
-52.5°	5064.7	4838.8	4595.7	4339.3	4087.5	3815.2	3529.9	3255.6	2971.4	2685.8	2412.1
-55°	4490.8	4302.7	4100.2	3892.9	3678.6	3424.0	3171.7	2924.7	2674.3	2414.2	2184.7
-57.5°	3952.3	3799.9	3621.3	3435.3	3243.1	3030.3	2810.3	2587.1	2378.5	2164.7	1957.7
-60°	3418.4	3288.5	3139.9	2985.0	2824.5	2644.8	2461.5	2277.5	2093.8	1920.8	1745.5
-62.5°	2917.4	2806.8	2685.6	2564.3	2434.8	2291.6	2134.0	1984.9	1836.5	1686.0	1541.4
-65°	2476.8	2387.9	2285.8	2185.1	2077.8	1963.3	1832.9	1710.5	1591.6	1469.7	1343.3
-67.5°	2098.6	2018.2	1931.3	1845.7	1762.6	1667.3	1565.3	1461.0	1364.1	1263.9	1158.1
-70°	1816.1	1746.6	1671.9	1590.4	1507.6	1422.1	1339.5	1255.5	1164.7	1080.7	1000.5
-72.5°	1621.6	1550.9	1476.7	1399.3	1315.7	1236.8	1167.1	1099.8	1026.3	946.5	870.1
-75°	1455.2	1389.4	1324.1	1255.5	1185.9	1115.3	1043.4	974.6	907.7	843.0	778.1
-77.5°	1242.7	1185.4	1126.8	1066.4	1009.5	957.1	906.7	846.4	781.0	719.4	658.7
-80°	937.7	896.2	854.9	814.8	774.8	735.3	695.1	648.5	604.4	559.8	511.3
-82.5°	596.3	577.0	556.4	532.2	506.9	480.7	453.1	420.6	388.5	357.0	325.5
-85°	293.7	288.3	282.0	271.8	261.0	249.5	237.3	223.3	208.9	194.3	179.4
-87.5°	107.6	106.2	104.6	101.4	98.1	94.8	91.3	87.5	83.5	79.4	75.1
-90°	4.4	4.9	5.3	5.7	6.2	6.6	7.0	7.0	7.0	7.0	7.0



REPORT NUMBER: P731472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	18.0	16.7	15.3	14.0	13.6	13.2	12.7	12.3	11.9	11.4	11.0
87.5°	11.8	12.7	13.4	14.0	13.1	12.3	11.5	10.7	10.9	10.9	10.8
85°	21.9	21.6	21.5	21.6	19.8	17.5	15.9	14.5	14.8	14.8	14.7
82.5°	37.2	34.5	32.4	30.7	29.7	28.0	25.7	22.8	20.3	18.9	18.6
80°	61.1	54.5	48.4	43.2	40.2	38.7	36.7	33.5	28.2	24.4	22.1
77.5°	82.0	73.8	66.2	58.4	51.7	46.9	44.0	42.1	35.9	29.7	25.4
75°	100.3	90.0	80.2	70.7	61.8	54.6	48.9	44.6	39.4	34.4	28.5
72.5°	112.8	102.2	92.2	81.4	69.7	60.1	52.6	47.0	41.4	36.1	31.0
70°	121.7	111.7	100.9	88.6	76.3	64.7	55.2	48.8	43.3	37.7	32.2
67.5°	127.2	115.9	105.5	94.5	81.8	69.2	57.3	50.3	44.7	39.1	33.4
65°	113.7	111.3	107.8	96.0	84.7	73.2	60.6	52.2	46.0	40.2	34.5
62.5°	96.5	98.5	96.7	93.9	85.2	74.2	63.8	55.3	47.4	41.3	35.4
60°	75.4	80.9	84.5	83.7	81.1	74.0	64.8	58.0	49.7	42.2	36.2
57.5°	58.4	63.9	69.7	73.0	72.5	69.7	65.1	59.0	51.7	43.7	37.1
55°	44.2	50.7	56.8	61.7	63.8	62.5	63.5	59.2	53.1	45.1	38.3
52.5°	35.6	40.8	46.5	51.9	55.4	56.6	59.1	59.3	53.2	46.3	39.9
50°	30.0	36.0	39.8	44.0	48.2	51.9	55.2	56.4	53.1	47.0	41.5
47.5°	30.1	35.8	38.1	38.7	42.2	47.7	51.6	53.5	53.0	46.9	43.2
45°	36.4	40.5	40.6	39.5	38.8	45.1	48.4	51.0	50.9	48.0	44.9
42.5°	49.0	52.1	48.5	41.9	46.1	44.3	45.7	48.6	49.1	49.3	46.3
40°	75.3	70.7	61.2	60.2	60.7	45.4	46.0	46.6	47.9	50.5	47.6
37.5°	109.6	99.8	83.5	89.0	82.8	63.7	47.8	44.9	49.1	51.5	49.0
35°	164.0	138.6	129.2	128.4	115.1	86.7	50.8	45.1	51.3	52.8	50.5
32.5°	229.1	206.5	196.8	176.0	153.4	114.2	66.3	54.0	54.6	54.6	52.1
30°	314.3	324.2	278.7	228.7	197.8	150.5	99.3	65.0	59.1	56.8	53.7
27.5°	483.8	468.0	379.5	303.0	247.3	195.5	155.6	78.2	64.6	59.7	55.3
25°	707.0	641.7	518.9	391.7	300.0	331.4	226.4	94.7	73.9	64.0	57.2
22.5°	1008.1	847.3	675.7	488.4	505.4	503.8	324.3	148.5	85.7	68.8	59.2
20°	1358.6	1081.1	910.2	844.8	762.3	688.1	456.2	209.9	98.4	74.1	61.4
17.5°	1768.3	1591.6	1498.3	1280.3	1059.7	889.3	607.8	277.3	111.9	79.8	63.7
15°	2754.3	2448.1	2152.7	1760.7	1381.4	1104.3	774.7	348.9	125.8	85.7	70.1
12.5°	3889.7	3343.8	2857.9	2275.7	1721.2	1329.4	952.1	423.0	140.0	99.5	82.0
10°	5047.4	4266.1	3599.1	2813.6	2072.6	1560.7	1134.9	505.8	173.3	119.6	94.3
7.5°	6211.7	5201.5	4359.7	3362.0	2419.0	1787.0	1328.5	604.4	210.1	140.0	106.9
5°	7272.5	5990.9	4977.0	3803.0	2707.7	2000.5	1516.2	699.1	246.8	160.4	119.4
2.5°	7902.7	6530.6	5477.9	4206.6	2981.2	2205.0	1691.1	787.5	283.0	180.5	131.9
0°	8480.9	7032.6	5940.7	4578.4	3235.4	2398.0	1848.6	867.2	317.7	200.1	144.0
-2.5°	8435.3	7041.7	5929.2	4633.8	3350.0	2498.7	1916.9	964.8	414.3	270.1	190.1
-5°	8338.0	7008.8	5879.4	4653.9	3440.3	2583.8	1965.1	1051.3	507.5	338.2	235.1
-7.5°	7907.7	6751.4	5717.0	4619.7	3505.5	2651.4	1995.6	1127.1	596.2	403.6	278.3
-10°	7380.4	6350.0	5401.6	4397.4	3407.6	2644.2	2002.1	1192.2	679.4	465.1	319.0
-12.5°	6835.3	5933.1	5075.1	4159.1	3269.7	2571.0	1939.8	1218.7	752.7	522.0	356.7
-15°	6281.8	5507.7	4745.4	3910.7	3121.5	2488.1	1872.3	1224.5	797.2	568.4	390.8
-17.5°	5757.9	5080.5	4420.0	3657.8	2966.0	2397.0	1803.0	1224.6	836.0	603.9	420.3
-20°	5388.1	4727.3	4103.7	3405.3	2806.0	2299.0	1734.9	1220.2	868.8	635.1	446.0



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 CATALOG NUMBER: EPH-LS-08-0530N-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°	5020.1	4430.0	3831.9	3193.6	2658.1	2195.5	1671.0	1212.2	895.3	661.9	467.9
-25°	4649.3	4128.7	3576.8	3025.5	2529.0	2096.0	1628.1	1201.5	915.2	684.0	486.0
-27.5°	4302.7	3831.5	3332.5	2856.8	2415.7	2011.4	1601.5	1217.9	931.7	701.2	500.0
-30°	3968.9	3563.2	3130.4	2697.3	2297.6	1927.1	1575.4	1227.6	948.1	714.9	509.8
-32.5°	3740.9	3317.4	2942.6	2559.9	2189.9	1838.8	1525.6	1228.9	958.1	724.0	518.5
-35°	3563.4	3134.0	2763.3	2420.2	2084.3	1760.7	1463.9	1221.8	961.8	727.3	524.2
-37.5°	3369.3	2974.6	2609.6	2288.1	1974.8	1675.8	1410.0	1181.8	959.0	724.7	525.8
-40°	3179.7	2807.9	2466.8	2164.9	1871.2	1584.4	1350.2	1140.1	950.1	716.2	523.3
-42.5°	2975.2	2637.5	2325.6	2038.5	1764.5	1511.7	1286.1	1092.4	911.5	706.7	516.7
-45°	2774.2	2461.1	2177.4	1911.9	1655.9	1433.4	1226.6	1039.3	865.5	694.1	506.7
-47.5°	2564.5	2287.0	2025.4	1776.6	1562.5	1351.8	1160.5	982.9	815.5	675.6	493.4
-50°	2362.3	2108.8	1869.7	1652.2	1456.3	1270.8	1089.1	921.9	769.4	635.6	475.6
-52.5°	2162.2	1931.6	1719.2	1525.1	1350.5	1182.7	1015.8	857.2	719.1	593.2	453.6
-55°	1961.9	1758.2	1568.9	1399.7	1241.0	1091.8	937.6	794.7	664.7	548.6	427.8
-57.5°	1769.0	1583.4	1425.0	1274.2	1130.1	994.3	858.6	727.6	609.4	501.3	400.3
-60°	1577.0	1426.0	1282.4	1146.2	1016.0	895.2	776.8	658.1	551.9	452.8	363.8
-62.5°	1401.0	1266.0	1136.7	1014.3	902.8	796.4	692.0	589.2	491.8	406.8	323.7
-65°	1225.2	1105.7	987.2	889.0	791.5	698.7	610.1	517.3	436.6	359.6	284.8
-67.5°	1051.0	957.1	855.5	765.0	688.8	610.8	526.8	452.6	382.0	311.1	250.8
-70°	915.4	823.3	736.8	665.5	596.6	525.0	457.8	390.5	326.2	272.1	216.2
-72.5°	799.9	724.3	643.4	571.2	516.1	456.2	391.3	330.5	282.6	232.8	181.0
-75°	706.6	630.5	559.8	499.7	445.5	387.0	330.5	283.0	238.8	192.9	149.6
-77.5°	593.9	533.8	478.8	419.2	363.6	314.4	271.9	234.9	193.4	153.8	118.7
-80°	455.9	403.8	355.3	311.0	272.5	239.1	208.8	178.1	144.1	113.7	87.0
-82.5°	290.2	261.4	235.3	210.6	187.0	163.6	140.5	117.5	93.8	72.8	60.1
-85°	163.3	148.0	133.5	119.7	103.6	87.6	77.8	68.5	59.7	51.5	43.8
-87.5°	71.9	68.6	65.0	61.3	55.8	50.4	45.3	40.5	35.8	31.5	27.4
-90°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.5	10.1	9.7	9.2	8.8	7.9	7.0
87.5°	10.6	9.8	9.0	8.3	7.8	7.3	7.0
85°	14.3	12.5	11.0	9.6	8.5	7.6	7.0
82.5°	17.9	15.2	12.9	10.9	9.3	7.9	7.0
80°	21.2	17.9	14.9	12.2	10.0	8.2	7.0
77.5°	22.8	20.0	16.8	13.5	10.8	8.5	7.0
75°	24.4	20.8	18.3	14.7	11.5	8.8	7.0
72.5°	25.8	21.6	18.6	15.9	12.2	9.1	7.0
70°	27.1	22.3	18.9	16.9	12.9	9.4	7.0
67.5°	28.1	22.9	19.1	16.8	13.5	9.6	7.0
65°	29.2	23.6	19.2	16.7	14.2	9.9	7.0
62.5°	30.2	24.6	19.2	16.6	14.8	10.2	7.0
60°	31.2	25.5	19.2	16.4	15.3	10.4	7.0
57.5°	32.3	26.5	19.9	16.1	15.2	10.6	7.0
55°	33.6	27.4	20.7	15.9	15.0	10.9	7.0
52.5°	34.8	28.3	21.5	15.5	14.9	11.1	7.0
50°	36.1	29.5	22.2	15.2	14.8	11.3	7.0
47.5°	37.5	30.7	22.9	15.0	14.7	11.5	7.0
45°	39.0	31.9	23.6	15.5	14.7	11.6	7.0
42.5°	40.4	33.1	24.2	15.9	14.6	11.8	7.0
40°	41.8	34.3	25.0	16.7	14.6	11.9	7.0
37.5°	43.3	35.6	25.9	17.6	14.6	12.0	7.0
35°	44.6	36.7	26.8	18.6	14.6	12.2	7.0
32.5°	46.0	37.8	27.7	19.5	14.6	12.3	7.0
30°	47.2	38.8	28.5	20.5	14.7	12.3	7.0
27.5°	48.4	39.8	30.2	21.4	14.7	12.4	7.0
25°	49.7	40.7	32.1	22.3	14.8	12.5	7.0
22.5°	50.9	42.2	34.0	23.2	14.9	12.5	7.0
20°	52.2	45.5	35.9	24.1	15.0	12.5	7.0
17.5°	56.7	49.0	37.8	25.0	15.1	12.6	7.0
15°	63.5	52.6	39.7	25.8	15.2	12.6	7.0
12.5°	70.7	56.2	41.5	26.6	15.3	12.5	7.0
10°	78.0	59.9	43.2	27.4	15.4	12.5	7.0
7.5°	85.4	63.5	44.9	28.1	15.5	12.5	7.0
5°	92.8	67.1	46.4	28.7	15.6	12.4	7.0
2.5°	100.1	70.5	47.9	29.3	15.7	12.4	7.0
0°	107.1	73.7	49.2	29.8	15.8	12.3	7.0
-2.5°	135.1	89.7	57.5	33.5	17.0	12.6	7.0
-5°	162.3	105.3	65.5	37.0	18.2	12.8	7.0
-7.5°	188.3	120.2	73.2	40.4	19.4	13.1	7.0
-10°	213.0	134.3	80.4	43.5	20.5	13.3	7.0
-12.5°	235.8	147.4	87.2	46.5	21.6	13.5	7.0
-15°	256.5	159.4	93.3	49.2	22.6	13.7	7.0
-17.5°	274.7	170.0	98.7	51.5	23.5	13.8	7.0
-20°	291.8	179.1	103.4	53.6	24.4	14.0	7.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	309.1	186.5	107.3	55.3	25.1	14.1	7.0
-25°	323.9	196.0	110.2	56.6	25.8	14.2	7.0
-27.5°	335.9	205.2	112.2	57.5	26.4	14.3	7.0
-30°	345.1	212.4	113.6	57.9	26.8	14.3	7.0
-32.5°	351.4	217.5	117.3	57.9	27.2	14.3	7.0
-35°	356.3	220.4	119.6	57.5	27.4	14.3	7.0
-37.5°	358.6	221.8	120.5	56.6	27.5	14.3	7.0
-40°	357.8	222.2	120.1	55.2	27.5	14.2	7.0
-42.5°	353.6	220.4	119.2	53.8	27.3	14.1	7.0
-45°	346.1	216.3	118.1	52.9	27.1	14.0	7.0
-47.5°	335.3	209.9	115.7	51.3	26.7	13.9	7.0
-50°	323.4	201.2	112.2	50.8	26.2	13.7	7.0
-52.5°	308.8	190.4	107.3	50.3	25.5	13.5	7.0
-55°	291.0	180.8	101.4	49.3	24.8	13.2	7.0
-57.5°	270.3	169.9	94.2	47.7	23.9	13.0	7.0
-60°	247.4	157.3	86.2	45.6	22.9	12.7	7.0
-62.5°	227.1	143.1	80.9	43.1	22.1	12.4	7.0
-65°	204.6	127.3	74.9	40.1	21.1	12.1	7.0
-67.5°	180.0	113.0	68.0	36.7	20.1	11.7	7.0
-70°	153.6	100.4	60.4	33.0	19.1	11.3	7.0
-72.5°	132.1	86.7	52.2	30.2	17.9	11.0	7.0
-75°	110.3	72.1	43.5	27.5	16.7	10.6	7.0
-77.5°	87.4	56.8	37.6	24.7	15.5	10.1	7.0
-80°	63.5	45.8	32.3	21.8	14.2	9.7	7.0
-82.5°	49.6	37.1	26.8	18.7	12.9	9.3	7.0
-85°	36.7	28.2	21.2	15.6	11.5	8.8	7.0
-87.5°	23.7	19.2	15.4	12.4	10.2	8.4	7.0
-90°	7.0	7.0	7.0	7.0	7.0	7.0	7.0

(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

