

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: P731496 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-80-7F-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731496 (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-40-80-7F-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

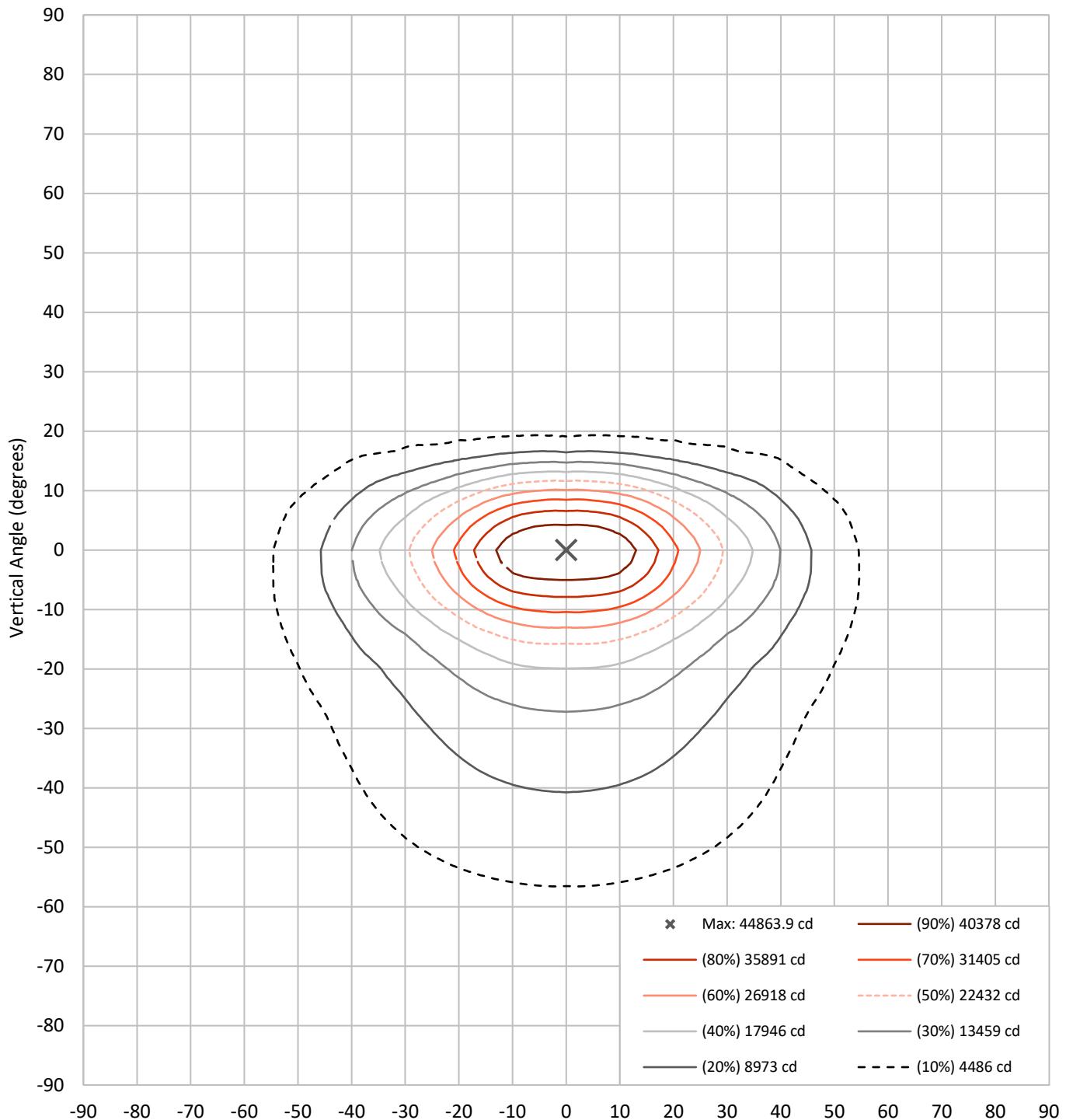
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	30187.3 lumens	Max Intensity:	44863.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	53.9 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:	11916.8 lumens	Field Lumens:	26565.4 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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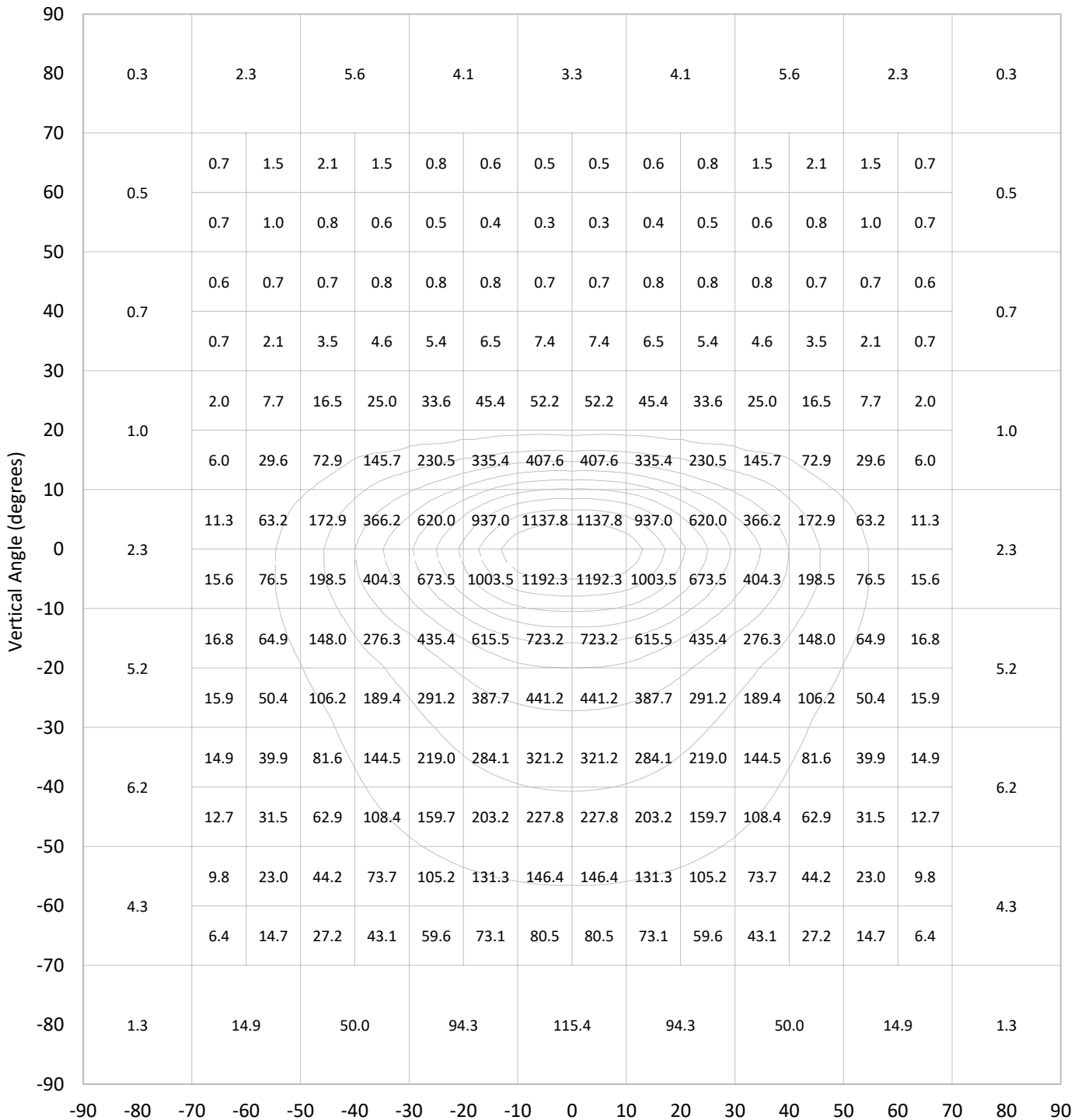
Iso-Candela Plot





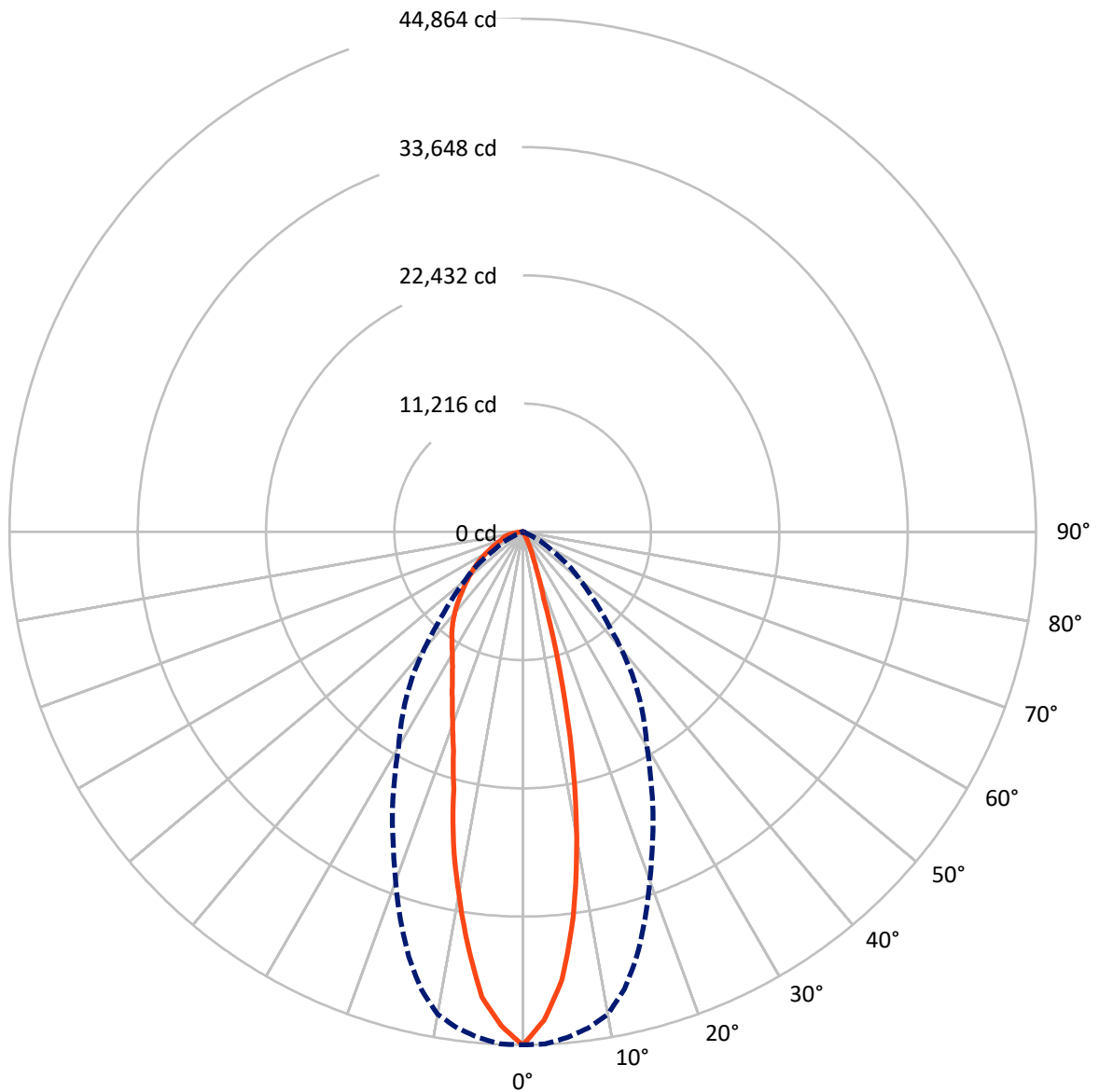
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Lumen Table



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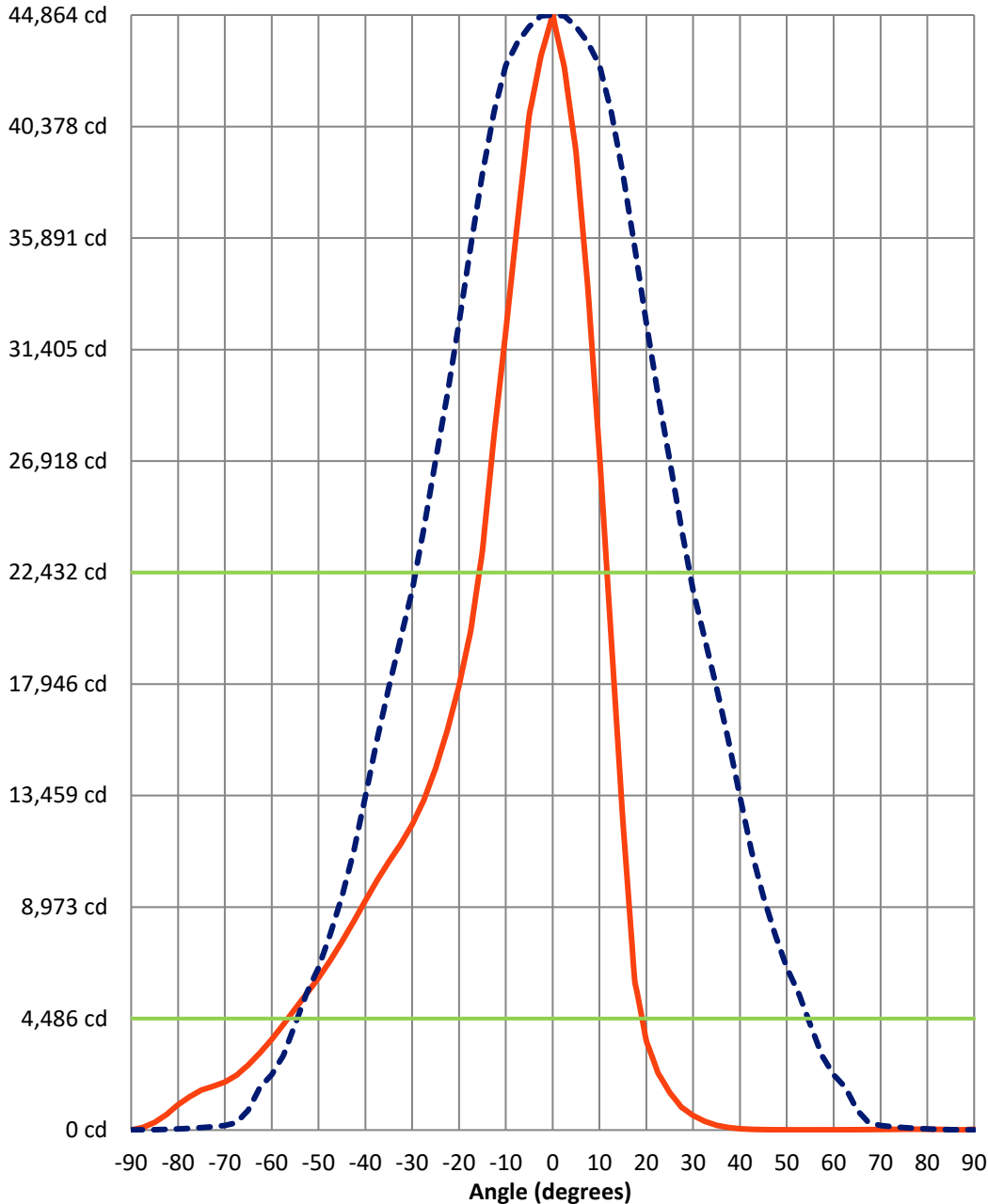
Luminous Intensity Polar Plot



— 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: 11916.8
 Efficiency: 39.5%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 26565.4
 Efficiency: 88.0%

Spill:
 Lumens: 3621.9
 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°	6.5	7.4	8.2	8.6	9.0	9.4	9.8	10.2	10.6	11.0	11.4
87.5°	6.5	6.8	7.2	7.7	8.3	9.1	9.9	10.1	10.1	10.1	10.0
85°	6.5	7.1	7.9	9.0	10.2	11.6	13.3	13.7	13.8	13.7	13.5
82.5°	6.5	7.4	8.6	10.2	12.0	14.2	16.6	17.2	17.6	18.9	21.2
80°	6.5	7.6	9.3	11.4	13.8	16.7	19.7	20.6	22.7	26.2	31.1
77.5°	6.5	7.9	10.0	12.5	15.6	18.5	21.2	23.6	27.6	33.3	39.1
75°	6.5	8.2	10.7	13.7	17.1	19.3	22.6	26.5	32.0	36.6	41.4
72.5°	6.5	8.4	11.3	14.8	17.3	20.1	24.0	28.7	33.5	38.4	43.6
70°	6.5	8.7	12.0	15.7	17.6	20.7	25.1	29.9	34.9	40.2	45.2
67.5°	6.5	9.0	12.6	15.6	17.7	21.2	26.1	31.0	36.3	41.5	46.7
65°	6.5	9.2	13.2	15.5	17.8	21.9	27.1	32.0	37.3	42.7	48.5
62.5°	6.5	9.4	13.7	15.4	17.9	22.8	28.0	32.9	38.3	44.0	51.3
60°	6.5	9.7	14.3	15.2	17.8	23.7	29.0	33.6	39.2	46.1	53.9
57.5°	6.5	9.9	14.1	15.0	18.5	24.6	30.0	34.5	40.6	48.0	54.8
55°	6.5	10.1	14.0	14.7	19.3	25.4	31.2	35.6	41.9	49.3	55.0
52.5°	6.5	10.3	13.9	14.4	20.0	26.3	32.3	37.1	43.1	49.4	55.0
50°	6.5	10.5	13.8	14.1	20.6	27.4	33.6	38.6	43.7	49.3	52.3
47.5°	6.5	10.6	13.7	13.9	21.3	28.5	34.9	40.2	43.5	49.1	49.7
45°	6.5	10.8	13.6	14.4	21.9	29.7	36.2	41.7	44.5	47.2	47.4
42.5°	6.5	10.9	13.6	14.8	22.5	30.8	37.6	43.0	45.8	45.6	45.2
40°	6.5	11.1	13.6	15.5	23.2	31.9	38.9	44.2	46.9	44.4	43.3
37.5°	6.5	11.2	13.6	16.4	24.1	33.1	40.2	45.5	47.7	45.6	41.7
35°	6.5	11.3	13.6	17.3	24.9	34.1	41.5	46.9	49.0	47.6	41.9
32.5°	6.5	11.4	13.6	18.1	25.7	35.1	42.7	48.3	50.7	50.7	50.1
30°	6.5	11.5	13.6	19.0	26.5	36.0	43.9	49.8	52.7	54.8	60.4
27.5°	6.5	11.5	13.7	19.9	28.1	36.9	45.0	51.4	55.5	60.0	72.6
25°	6.5	11.6	13.8	20.8	29.8	37.8	46.2	53.1	59.4	68.6	87.9
22.5°	6.5	11.6	13.8	21.6	31.6	39.3	47.3	55.0	63.9	79.6	137.9
20°	6.5	11.6	13.9	22.4	33.4	42.3	48.5	57.0	68.8	91.4	194.9
17.5°	6.5	11.6	14.0	23.2	35.1	45.6	52.7	59.2	74.1	103.9	257.5
15°	6.5	11.6	14.1	24.0	36.8	48.9	59.0	65.1	79.6	116.8	324.1
12.5°	6.5	11.6	14.2	24.8	38.5	52.3	65.6	76.2	92.3	130.0	392.8
10°	6.5	11.6	14.3	25.5	40.1	55.7	72.4	87.6	111.0	161.0	469.7
7.5°	6.5	11.6	14.4	26.1	41.6	59.0	79.3	99.2	130.0	195.1	561.2
5°	6.5	11.5	14.5	26.7	43.1	62.3	86.2	110.9	148.9	229.3	649.2
2.5°	6.5	11.5	14.6	27.2	44.4	65.5	92.9	122.4	167.6	262.8	731.3
0°	6.5	11.4	14.7	27.7	45.6	68.5	99.4	133.7	185.8	295.1	805.3
-2.5°	6.5	11.6	15.8	31.1	53.3	83.4	125.4	176.5	250.8	384.7	895.9
-5°	6.5	11.9	16.9	34.4	60.7	97.8	150.7	218.3	314.1	471.3	976.3
-7.5°	6.5	12.1	18.0	37.5	67.9	111.7	174.9	258.4	374.7	553.7	1046.6
-10°	6.5	12.3	19.1	40.5	74.6	124.8	197.8	296.2	431.9	630.9	1107.1
-12.5°	6.5	12.5	20.1	43.2	80.9	137.0	219.0	331.2	484.7	698.9	1131.7
-15°	6.5	12.7	21.0	45.7	86.6	148.0	238.2	362.9	527.8	740.3	1137.1
-17.5°	6.5	12.8	21.8	47.9	91.7	157.9	255.1	390.4	560.8	776.3	1137.2
-20°	6.5	13.0	22.6	49.8	96.0	166.3	271.1	414.2	589.8	806.7	1133.1



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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°	6.5	13.1	23.3	51.4	99.6	173.2	287.1	434.6	614.6	831.4	1125.7
-25°	6.5	13.2	24.0	52.6	102.4	182.0	300.8	451.4	635.2	849.9	1115.7
-27.5°	6.5	13.2	24.5	53.4	104.2	190.6	312.0	464.4	651.1	865.2	1131.0
-30°	6.5	13.3	24.9	53.8	105.5	197.3	320.5	473.5	663.9	880.4	1140.0
-32.5°	6.5	13.3	25.2	53.8	108.9	202.0	326.3	481.6	672.4	889.7	1141.2
-35°	6.5	13.3	25.4	53.4	111.1	204.7	330.8	486.8	675.4	893.2	1134.5
-37.5°	6.5	13.2	25.5	52.6	112.0	205.9	333.1	488.3	673.1	890.6	1097.5
-40°	6.5	13.2	25.5	51.2	111.5	206.3	332.2	486.0	665.2	882.3	1058.7
-42.5°	6.5	13.1	25.4	50.0	110.7	204.6	328.3	479.8	656.3	846.5	1014.5
-45°	6.5	13.0	25.1	49.2	109.7	200.8	321.3	470.5	644.6	803.7	965.1
-47.5°	6.5	12.9	24.8	47.7	107.5	194.9	311.3	458.1	627.4	757.4	912.8
-50°	6.5	12.7	24.3	47.2	104.2	186.9	300.3	441.7	590.2	714.5	856.1
-52.5°	6.5	12.5	23.7	46.7	99.7	176.8	286.7	421.2	550.9	667.7	796.1
-55°	6.5	12.3	23.0	45.8	94.2	167.9	270.2	397.2	509.4	617.3	738.0
-57.5°	6.5	12.0	22.2	44.3	87.5	157.8	251.0	371.7	465.5	565.9	675.7
-60°	6.5	11.8	21.3	42.4	80.1	146.1	229.7	337.8	420.5	512.5	611.2
-62.5°	6.5	11.5	20.5	40.0	75.2	132.9	210.9	300.5	377.8	456.6	547.1
-65°	6.5	11.2	19.6	37.3	69.5	118.3	190.0	264.4	333.9	405.4	480.4
-67.5°	6.5	10.9	18.7	34.1	63.2	105.0	167.2	232.9	288.9	354.8	420.3
-70°	6.5	10.5	17.7	30.6	56.1	93.2	142.6	200.7	252.7	303.0	362.7
-72.5°	6.5	10.2	16.6	28.0	48.5	80.5	122.7	168.1	216.2	262.5	307.0
-75°	6.5	9.8	15.5	25.6	40.4	67.0	102.5	138.9	179.1	221.7	262.8
-77.5°	6.5	9.4	14.4	22.9	35.0	52.8	81.2	110.3	142.8	179.6	218.1
-80°	6.5	9.0	13.2	20.2	30.0	42.6	59.1	80.8	105.6	133.9	165.4
-82.5°	6.5	8.6	12.0	17.4	24.9	34.5	46.1	55.9	67.7	87.2	109.1
-85°	6.5	8.2	10.7	14.5	19.7	26.2	34.2	40.8	47.9	55.5	63.6
-87.5°	6.5	7.8	9.5	11.6	14.4	17.9	22.0	25.5	29.3	33.3	37.6
-90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	11.8	12.2	12.6	13.0	14.2	15.5	16.7	17.9	20.0	22.0	24.1
87.5°	10.7	11.4	12.2	13.0	12.5	11.7	10.9	10.0	10.7	11.5	12.3
85°	14.8	16.3	18.3	20.0	19.9	20.0	20.3	20.9	22.3	23.4	24.4
82.5°	23.9	26.0	27.6	28.5	30.0	32.0	34.5	38.4	40.5	41.9	42.7
80°	34.1	35.9	37.4	40.1	45.0	50.6	56.7	63.3	65.5	65.7	65.0
77.5°	40.9	43.6	48.0	54.2	61.4	68.5	76.2	84.3	86.7	86.1	85.0
75°	45.3	50.7	57.3	65.7	74.5	83.6	93.1	101.9	104.4	101.8	98.4
72.5°	48.8	55.7	64.7	75.7	85.6	94.9	104.8	115.3	118.9	113.2	106.1
70°	51.2	60.1	70.9	82.3	93.7	103.8	113.0	123.1	128.8	119.2	105.1
67.5°	53.2	64.2	75.9	87.8	98.1	107.6	118.2	121.4	122.8	108.1	93.0
65°	56.2	68.0	78.7	89.1	100.2	103.4	105.6	107.8	105.4	88.8	72.4
62.5°	59.2	68.9	79.2	87.2	89.9	91.5	89.6	85.2	79.4	67.9	54.4
60°	60.1	68.7	75.3	77.7	78.5	75.1	70.0	64.7	58.6	49.0	39.8
57.5°	60.4	64.8	67.3	67.8	64.7	59.2	54.2	47.5	42.3	36.3	28.9
55°	59.0	58.1	59.3	57.2	52.7	47.1	41.1	36.5	30.4	26.9	22.5
52.5°	54.9	52.6	51.5	48.2	43.1	37.9	33.0	28.6	25.1	21.2	18.4
50°	51.3	48.2	44.8	40.8	36.9	33.4	27.9	24.8	21.9	18.8	16.3
47.5°	47.9	44.3	39.1	35.9	35.4	33.3	28.0	23.1	20.5	20.4	18.1
45°	45.0	41.9	36.0	36.6	37.7	37.6	33.9	22.6	25.2	25.7	24.4
42.5°	42.4	41.1	42.8	38.9	45.1	48.5	45.5	37.9	33.7	37.4	38.9
40°	42.7	42.1	56.3	56.0	56.9	65.7	69.9	64.5	49.7	58.9	63.1
37.5°	44.4	59.2	76.9	82.7	77.6	92.7	101.7	108.0	96.3	88.8	101.9
35°	47.1	80.6	106.9	119.3	120.0	128.7	152.3	162.0	154.3	142.4	153.0
32.5°	61.6	106.1	142.5	163.5	182.8	191.7	212.8	222.8	231.3	231.4	226.9
30°	92.3	139.8	183.7	212.4	258.8	301.0	291.9	294.1	325.3	357.0	372.4
27.5°	144.5	181.6	229.7	281.4	352.4	434.5	449.3	407.6	450.0	508.7	560.7
25°	210.3	307.8	278.7	363.8	481.9	595.9	656.5	685.4	627.4	712.8	835.9
22.5°	301.2	467.9	469.3	453.5	627.5	786.8	936.2	1079.2	1153.1	1060.4	1188.4
20°	423.7	639.0	708.0	784.5	845.2	1003.9	1261.6	1573.8	1859.6	2021.4	1947.2
17.5°	564.4	825.9	984.1	1189.0	1391.3	1477.9	1642.1	2153.2	2708.1	3180.5	3434.4
15°	719.4	1025.5	1282.8	1635.1	1999.0	2273.4	2557.8	2996.9	3729.4	4537.4	5184.4
12.5°	884.1	1234.5	1598.4	2113.3	2654.0	3105.1	3612.1	4279.9	5124.9	6133.0	7186.8
10°	1053.8	1449.3	1924.7	2612.8	3342.2	3961.7	4687.2	5563.2	6642.1	7898.1	9222.6
7.5°	1233.7	1659.5	2246.3	3122.1	4048.6	4830.3	5768.4	6834.3	8143.6	9636.6	11233.3
5°	1407.9	1857.8	2514.5	3531.6	4621.8	5563.3	6753.5	8076.3	9611.5	11328.8	13210.4
2.5°	1570.4	2047.7	2768.4	3906.4	5087.0	6064.5	7338.7	8761.1	10492.8	12517.5	14693.9
0°	1716.6	2226.9	3004.5	4251.6	5516.7	6530.7	7875.6	9388.5	11193.1	13415.1	15702.3
-2.5°	1780.0	2320.4	3110.9	4303.1	5506.0	6539.2	7833.3	9376.6	11116.9	13235.5	15478.9
-5°	1824.8	2399.4	3194.7	4321.7	5459.7	6508.6	7743.0	9293.7	10874.9	12759.3	14769.2
-7.5°	1853.2	2462.1	3255.3	4290.0	5309.0	6269.6	7343.3	8664.3	10106.0	11783.4	13552.9
-10°	1859.2	2455.4	3164.4	4083.5	5016.1	5896.9	6853.7	8000.8	9289.9	10756.9	12295.4
-12.5°	1801.4	2387.4	3036.3	3862.2	4712.8	5509.6	6347.5	7322.1	8439.4	9700.4	11062.4
-15°	1738.7	2310.5	2898.7	3631.6	4406.7	5114.6	5833.5	6641.7	7633.1	8781.9	9956.5
-17.5°	1674.3	2225.9	2754.2	3396.7	4104.4	4717.8	5347.0	6114.7	7002.9	7971.1	8927.1
-20°	1611.1	2134.9	2605.7	3162.2	3810.8	4389.9	5003.5	5678.0	6423.7	7212.7	7972.8



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 CATALOG NUMBER: EPH-LS-08-0530N-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°	1551.7	2038.8	2468.3	2965.6	3558.4	4113.8	4661.8	5241.3	5858.8	6497.6	7299.7
-25°	1511.9	1946.4	2348.5	2809.6	3321.5	3834.0	4317.5	4815.7	5347.2	6053.7	6796.6
-27.5°	1487.2	1867.8	2243.2	2652.9	3094.7	3558.1	3995.6	4435.1	5027.6	5663.3	6320.8
-30°	1462.9	1789.6	2133.6	2504.8	2907.0	3308.9	3685.6	4182.1	4734.6	5316.3	5901.0
-32.5°	1416.7	1707.5	2033.6	2377.2	2732.6	3080.6	3473.9	3962.2	4468.9	4980.3	5508.0
-35°	1359.4	1635.1	1935.6	2247.5	2566.1	2910.3	3309.1	3738.9	4204.5	4680.2	5201.0
-37.5°	1309.3	1556.2	1833.9	2124.8	2423.3	2762.3	3128.8	3530.5	3954.8	4399.7	4896.9
-40°	1253.8	1471.3	1737.6	2010.4	2290.7	2607.5	2952.8	3317.7	3708.3	4133.7	4580.0
-42.5°	1194.3	1403.8	1638.5	1893.0	2159.6	2449.3	2762.8	3106.0	3470.4	3857.7	4266.5
-45°	1139.1	1331.1	1537.7	1775.4	2021.9	2285.5	2576.2	2884.3	3229.6	3586.2	3954.4
-47.5°	1077.6	1255.4	1451.0	1649.8	1880.8	2123.7	2381.4	2672.9	2978.0	3309.1	3649.1
-50°	1011.4	1180.1	1352.4	1534.3	1736.3	1958.3	2193.7	2456.0	2738.4	3027.6	3333.4
-52.5°	943.3	1098.3	1254.2	1416.2	1596.5	1793.8	2007.8	2240.0	2494.1	2759.3	3023.2
-55°	870.7	1013.9	1152.5	1299.8	1456.9	1632.7	1821.9	2028.7	2241.9	2483.5	2716.0
-57.5°	797.3	923.4	1049.4	1183.2	1323.3	1470.4	1642.7	1818.0	2010.2	2208.8	2402.4
-60°	721.4	831.4	943.6	1064.4	1190.9	1324.2	1464.4	1620.9	1783.7	1944.4	2115.0
-62.5°	642.6	739.6	838.4	941.9	1055.6	1175.6	1301.0	1431.4	1565.6	1705.4	1843.2
-65°	566.6	648.8	735.0	825.6	916.8	1026.8	1137.7	1247.4	1364.8	1478.0	1588.5
-67.5°	489.2	567.2	639.7	710.4	794.5	888.9	976.0	1075.4	1173.7	1266.7	1356.7
-70°	425.1	487.5	554.1	618.1	684.3	764.6	850.1	929.1	1003.6	1081.6	1165.9
-72.5°	363.4	423.6	479.3	530.4	597.5	672.7	742.8	808.0	878.9	953.1	1021.3
-75°	306.9	359.4	413.7	464.0	519.9	585.5	656.1	722.6	782.9	842.9	905.0
-77.5°	252.5	292.0	337.7	389.2	444.6	495.7	551.5	611.7	668.1	725.3	786.0
-80°	193.9	222.0	253.0	288.8	329.9	375.0	423.4	474.8	519.9	561.3	602.2
-82.5°	130.5	151.9	173.6	195.5	218.5	242.8	269.5	302.3	331.5	360.8	390.6
-85°	72.3	81.3	96.2	111.2	124.0	137.5	151.7	166.6	180.5	194.0	207.3
-87.5°	42.1	46.8	51.8	57.0	60.4	63.7	66.8	69.8	73.7	77.6	81.2
-90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	26.1	26.5	26.9	27.3	27.7	28.9	30.2	31.4	32.6	32.2	31.8
87.5°	13.2	13.0	12.8	12.5	12.2	13.5	14.8	16.1	17.4	16.0	14.5
85°	25.1	25.2	25.2	25.1	25.0	26.6	28.3	30.0	31.6	29.2	26.6
82.5°	43.1	42.3	40.8	38.7	36.1	35.6	34.9	33.9	32.7	31.3	30.0
80°	63.9	60.8	56.8	52.2	47.0	44.3	41.8	38.9	35.7	34.8	34.0
77.5°	82.3	76.8	70.0	62.7	54.9	50.2	46.2	42.1	37.8	36.9	36.6
75°	94.1	86.9	77.0	66.8	56.4	49.7	45.0	40.3	35.7	34.3	33.8
72.5°	97.6	87.6	76.2	63.4	51.1	43.3	38.9	34.9	31.3	29.8	29.1
70°	91.4	78.0	65.3	53.1	41.7	34.5	31.4	28.7	26.4	25.4	25.0
67.5°	77.2	63.2	51.3	41.1	32.8	27.6	25.8	24.2	22.7	21.8	21.1
65°	58.7	47.7	39.1	32.2	27.0	23.7	22.3	20.9	19.6	18.5	17.8
62.5°	43.1	35.1	30.0	26.1	23.1	20.9	19.5	18.3	17.4	16.6	16.0
60°	32.5	27.0	23.9	21.4	19.4	18.0	17.2	16.5	15.8	15.1	14.4
57.5°	24.8	21.5	19.2	18.0	17.1	16.5	15.8	15.0	14.3	13.5	12.9
55°	19.6	17.9	16.6	16.2	15.8	15.3	14.5	13.9	13.0	12.0	11.3
52.5°	16.5	16.3	16.3	16.0	15.6	15.1	14.6	13.6	12.6	11.6	11.0
50°	16.3	16.4	16.5	16.2	15.7	15.2	14.8	14.0	13.4	12.7	12.2
47.5°	16.9	17.1	18.1	16.5	16.3	16.8	16.4	15.8	15.6	15.2	14.8
45°	19.9	23.3	24.3	23.0	20.2	22.4	21.7	19.2	20.6	20.4	19.2
42.5°	35.5	39.1	42.0	40.2	34.4	36.3	36.3	32.4	33.5	33.6	32.1
40°	67.6	66.3	70.9	69.0	62.8	60.5	63.1	58.7	57.8	60.0	57.4
37.5°	111.3	112.0	110.0	110.2	108.0	101.9	105.6	104.3	100.6	107.6	108.4
35°	174.0	179.4	162.3	169.1	172.0	165.4	169.6	181.4	173.8	190.2	194.7
32.5°	258.0	269.1	261.1	253.4	266.2	276.4	281.2	306.3	313.1	327.9	345.5
30°	361.5	390.5	413.5	399.2	397.5	433.6	454.5	488.3	521.1	540.7	576.6
27.5°	576.9	568.0	622.5	638.7	602.7	660.5	738.7	753.6	853.4	861.6	931.4
25°	911.8	907.1	923.5	1002.7	1022.8	1051.7	1186.0	1256.9	1371.5	1433.4	1486.9
22.5°	1361.4	1488.5	1510.1	1473.8	1647.7	1761.4	1799.0	2003.2	2096.6	2236.1	2278.0
20°	1923.8	2219.3	2592.7	2598.6	2527.0	2854.7	2990.4	3097.7	3326.0	3485.1	3592.9
17.5°	3398.1	3395.8	4158.4	4579.7	4532.1	4768.0	5435.4	5366.6	5905.8	6232.8	6246.5
15°	5561.9	5965.2	6449.2	7213.4	7863.8	8388.1	9021.8	9849.8	10520.3	11308.0	11905.8
12.5°	8037.4	8831.7	9660.0	10531.7	11552.5	12711.6	13972.3	15076.0	16388.9	17538.0	18726.0
10°	10517.7	11775.7	12944.7	14247.5	15698.3	17242.4	19091.3	20706.7	22648.8	24352.3	25472.1
7.5°	12792.1	14301.3	15881.1	17774.8	19799.9	21738.8	23831.9	26097.7	28369.9	30338.0	32009.2
5°	15015.2	16711.7	18462.8	20548.7	22862.9	25292.5	27882.5	30562.2	32943.1	35185.1	37136.4
2.5°	16759.1	18702.4	20702.9	23061.7	25551.5	28013.6	30606.5	33491.2	36260.1	38882.2	40886.9
0°	17795.6	19745.3	21708.1	24207.2	26941.1	29587.0	32477.4	35548.7	38471.7	40979.0	42837.5
-2.5°	17382.7	19281.8	21265.0	23734.0	26367.9	28833.3	31595.0	34570.1	37401.1	39940.4	41869.3
-5°	16449.1	18153.0	19971.0	22253.9	24718.0	27167.3	29874.8	32705.0	35147.3	37401.3	39130.6
-7.5°	15136.4	16708.3	18403.8	20517.4	22783.4	24922.3	27135.4	29418.7	31641.3	33569.0	34991.9
-10°	13742.2	15165.2	16624.7	18319.7	20250.9	22117.8	23985.1	26067.7	27899.4	29490.9	30664.3
-12.5°	12344.1	13513.0	14664.5	15960.5	17617.7	19297.8	20912.8	22659.2	24118.1	25431.0	26474.9
-15°	11002.1	11912.1	12785.8	14040.2	15499.5	16740.3	17734.1	19315.8	20306.2	21473.3	22203.2
-17.5°	9754.7	10481.3	11543.1	12621.5	13662.6	14682.3	15829.0	16765.4	17737.5	18690.8	19318.1
-20°	8773.2	9672.0	10569.4	11446.4	12340.8	13314.2	14221.8	15106.8	15954.0	16686.6	17189.5



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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°	8134.3	8932.2	9687.7	10476.9	11348.1	12165.5	12932.4	13747.2	14471.6	15018.7	15427.8
-25°	7520.9	8214.7	8949.8	9739.3	10476.5	11164.5	11870.7	12499.7	13117.8	13573.3	13956.2
-27.5°	6967.9	7626.2	8350.4	9050.2	9707.3	10350.2	10950.4	11471.5	11986.4	12350.7	12731.5
-30°	6487.0	7153.7	7812.3	8434.4	9051.6	9634.1	10163.3	10658.0	11090.1	11444.9	11764.1
-32.5°	6123.6	6728.3	7314.8	7896.8	8481.7	9018.7	9481.9	9957.1	10354.7	10694.9	10984.0
-35°	5764.4	6332.9	6875.1	7408.3	7946.7	8464.5	8913.0	9326.8	9718.1	10022.6	10287.5
-37.5°	5414.2	5944.2	6445.8	6925.4	7418.0	7895.4	8304.5	8693.2	9043.0	9324.4	9575.7
-40°	5061.3	5546.9	5995.3	6442.2	6884.7	7284.8	7669.3	8027.3	8327.0	8586.5	8815.1
-42.5°	4696.7	5124.2	5528.8	5937.7	6342.0	6695.9	7035.3	7357.0	7612.0	7842.0	8040.0
-45°	4330.7	4706.9	5077.6	5445.0	5777.6	6104.4	6412.1	6683.7	6913.6	7117.2	7289.0
-47.5°	3978.5	4298.2	4637.3	4972.4	5258.2	5537.9	5807.0	6037.2	6237.0	6415.1	6566.2
-50°	3626.4	3911.8	4207.6	4495.1	4757.2	5002.7	5228.2	5429.4	5611.5	5765.4	5895.0
-52.5°	3277.9	3542.9	3795.8	4029.6	4267.7	4493.4	4703.2	4879.1	5038.6	5181.0	5295.2
-55°	2945.3	3179.6	3416.0	3615.1	3807.6	3995.6	4170.3	4327.4	4471.9	4602.7	4705.1
-57.5°	2609.7	2814.1	3011.6	3190.1	3362.9	3528.8	3670.3	3793.4	3908.7	4014.4	4104.7
-60°	2285.8	2456.1	2623.0	2772.0	2915.8	3053.9	3174.4	3279.2	3372.1	3454.0	3528.0
-62.5°	1981.7	2128.0	2261.0	2381.3	2493.9	2606.4	2709.2	2799.9	2878.5	2945.9	3003.9
-65°	1702.1	1823.2	1929.6	2029.2	2122.7	2217.5	2300.0	2374.4	2440.7	2496.4	2541.0
-67.5°	1453.5	1548.3	1636.9	1714.0	1793.5	1874.2	1948.9	2014.0	2070.2	2114.7	2149.3
-70°	1243.9	1320.6	1400.0	1476.9	1552.6	1622.0	1686.5	1744.2	1795.6	1833.9	1864.5
-72.5°	1083.9	1148.6	1221.8	1299.4	1371.2	1440.2	1505.9	1566.9	1623.8	1660.3	1688.8
-75°	968.9	1035.8	1101.3	1165.9	1229.5	1290.2	1351.3	1413.7	1476.7	1513.8	1543.6
-77.5°	841.9	888.8	937.5	990.2	1046.4	1100.8	1154.0	1206.6	1258.0	1283.9	1303.6
-80°	645.5	682.8	719.5	756.6	793.9	832.2	870.8	909.1	946.8	964.2	977.2
-82.5°	420.7	446.4	470.8	494.2	516.7	535.9	553.8	570.5	585.8	593.3	598.5
-85°	220.3	231.6	242.3	252.4	261.8	267.7	272.7	277.0	280.5	285.2	289.3
-87.5°	84.8	88.0	91.1	94.1	97.1	98.6	99.8	100.9	101.9	103.4	104.8
-90°	6.5	6.1	5.7	5.3	4.9	4.5	4.1	3.7	3.3	3.3	3.3



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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°	31.4	31.0	31.8	32.6	31.8	31.0	31.4	31.8	32.2	32.6	31.4
87.5°	12.9	11.4	10.6	9.8	10.6	11.4	12.9	14.5	16.0	17.4	16.1
85°	23.9	21.1	19.5	17.9	19.5	21.1	23.9	26.6	29.2	31.6	30.0
82.5°	28.8	27.6	27.7	27.7	27.7	27.6	28.8	30.0	31.3	32.7	33.9
80°	33.3	32.6	32.6	32.6	32.6	32.6	33.3	34.0	34.8	35.7	38.9
77.5°	36.2	35.9	35.1	34.2	35.1	35.9	36.2	36.6	36.9	37.8	42.1
75°	33.2	32.7	32.6	32.6	32.6	32.7	33.2	33.8	34.3	35.7	40.3
72.5°	28.5	27.9	27.7	27.7	27.7	27.9	28.5	29.1	29.8	31.3	34.9
70°	24.8	24.6	23.7	22.8	23.7	24.6	24.8	25.0	25.4	26.4	28.7
67.5°	20.5	19.8	19.6	19.6	19.6	19.8	20.5	21.1	21.8	22.7	24.2
65°	17.1	16.5	16.3	16.3	16.3	16.5	17.1	17.8	18.5	19.6	20.9
62.5°	15.4	14.9	14.0	13.0	14.0	14.9	15.4	16.0	16.6	17.4	18.3
60°	13.8	13.2	12.3	11.4	12.3	13.2	13.8	14.4	15.1	15.8	16.5
57.5°	12.2	11.6	11.4	11.4	11.4	11.6	12.2	12.9	13.5	14.3	15.0
55°	10.7	10.1	9.8	9.8	9.8	10.1	10.7	11.3	12.0	13.0	13.9
52.5°	10.5	10.0	9.8	9.8	9.8	10.0	10.5	11.0	11.6	12.6	13.6
50°	11.9	11.5	11.4	11.4	11.4	11.5	11.9	12.2	12.7	13.4	14.0
47.5°	14.2	13.4	13.0	13.0	13.0	13.4	14.2	14.8	15.2	15.6	15.8
45°	18.8	18.2	17.8	17.9	17.8	18.2	18.8	19.2	20.4	20.6	19.2
42.5°	32.5	31.6	30.3	29.3	30.3	31.6	32.5	32.1	33.6	33.5	32.4
40°	57.6	56.3	54.4	53.8	54.4	56.3	57.6	57.4	60.0	57.8	58.7
37.5°	109.9	109.0	105.5	104.3	105.5	109.0	109.9	108.4	107.6	100.6	104.3
35°	194.3	195.8	192.4	192.4	192.4	195.8	194.3	194.7	190.2	173.8	181.4
32.5°	351.3	355.1	345.2	350.5	345.2	355.1	351.3	345.5	327.9	313.1	306.3
30°	575.5	588.3	582.7	585.3	582.7	588.3	575.5	576.6	540.7	521.1	488.3
27.5°	938.2	947.8	928.0	921.1	928.0	947.8	938.2	931.4	861.6	853.4	753.6
25°	1517.1	1523.1	1503.7	1511.2	1503.7	1523.1	1517.1	1486.9	1433.4	1371.5	1256.9
22.5°	2363.2	2340.5	2319.0	2298.6	2319.0	2340.5	2363.2	2278.0	2236.1	2096.6	2003.2
20°	3693.1	3640.9	3633.9	3594.7	3633.9	3640.9	3693.1	3592.9	3485.1	3326.0	3097.7
17.5°	6579.9	6674.6	6464.4	6057.9	6464.4	6674.6	6579.9	6246.5	6232.8	5905.8	5366.6
15°	12258.0	12702.8	12893.9	12427.2	12893.9	12702.8	12258.0	11905.8	11308.0	10520.3	9849.8
12.5°	19381.8	19695.0	20074.3	19797.5	20074.3	19695.0	19381.8	18726.0	17538.0	16388.9	15076.0
10°	26434.0	26902.8	27477.0	27218.3	27477.0	26902.8	26434.0	25472.1	24352.3	22648.8	20706.7
7.5°	32929.0	33736.8	34241.3	33916.9	34241.3	33736.8	32929.0	32009.2	30338.0	28369.9	26097.7
5°	38472.0	39110.7	39414.8	39330.9	39414.8	39110.7	38472.0	37136.4	35185.1	32943.1	30562.2
2.5°	42026.7	42701.0	42973.5	42747.0	42973.5	42701.0	42026.7	40886.9	38882.2	36260.1	33491.2
0°	43764.2	44396.0	44829.6	44863.9	44829.6	44396.0	43764.2	42837.5	40979.0	38471.7	35548.7
-2.5°	42760.2	43144.1	43351.5	43213.3	43351.5	43144.1	42760.2	41869.3	39940.4	37401.1	34570.1
-5°	40130.5	40536.4	40668.1	40829.0	40668.1	40536.4	40130.5	39130.6	37401.3	35147.3	32705.0
-7.5°	35792.2	36237.6	36565.9	36552.2	36565.9	36237.6	35792.2	34991.9	33569.0	31641.3	29418.7
-10°	31537.1	31867.9	32210.5	32153.0	32210.5	31867.9	31537.1	30664.3	29490.9	27899.4	26067.7
-12.5°	27319.9	27872.0	28006.1	27965.7	28006.1	27872.0	27319.9	26474.9	25431.0	24118.1	22659.2
-15°	23034.0	23443.0	23409.4	23300.8	23409.4	23443.0	23034.0	22203.2	21473.3	20306.2	19315.8
-17.5°	19860.9	20086.4	20172.6	20087.7	20172.6	20086.4	19860.9	19318.1	18690.8	17737.5	16765.4
-20°	17603.0	17777.2	17835.9	17875.4	17835.9	17777.2	17603.0	17189.5	16686.6	15954.0	15106.8



REPORT NUMBER: P731496 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-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°	15780.2	15958.3	16009.8	16077.3	16009.8	15958.3	15780.2	15427.8	15018.7	14471.6	13747.2
-25°	14251.5	14425.5	14484.4	14551.4	14484.4	14425.5	14251.5	13956.2	13573.3	13117.8	12499.7
-27.5°	12986.8	13156.6	13227.3	13278.2	13227.3	13156.6	12986.8	12731.5	12350.7	11986.4	11471.5
-30°	11990.8	12158.0	12259.1	12291.9	12259.1	12158.0	11990.8	11764.1	11444.9	11090.1	10658.0
-32.5°	11200.5	11346.5	11441.6	11489.8	11441.6	11346.5	11200.5	10984.0	10694.9	10354.7	9957.1
-35°	10496.7	10643.3	10742.0	10792.1	10742.0	10643.3	10496.7	10287.5	10022.6	9718.1	9326.8
-37.5°	9777.0	9936.6	10041.0	10043.8	10041.0	9936.6	9777.0	9575.7	9324.4	9043.0	8693.2
-40°	8983.0	9109.5	9192.4	9225.5	9192.4	9109.5	8983.0	8815.1	8586.5	8327.0	8027.3
-42.5°	8186.6	8294.0	8361.1	8389.1	8361.1	8294.0	8186.6	8040.0	7842.0	7612.0	7357.0
-45°	7426.2	7534.5	7590.5	7582.2	7590.5	7534.5	7426.2	7289.0	7117.2	6913.6	6683.7
-47.5°	6682.3	6766.3	6812.2	6822.5	6812.2	6766.3	6682.3	6566.2	6415.1	6237.0	6037.2
-50°	6005.0	6094.1	6132.2	6121.5	6132.2	6094.1	6005.0	5895.0	5765.4	5611.5	5429.4
-52.5°	5389.3	5465.0	5497.9	5493.9	5497.9	5465.0	5389.3	5295.2	5181.0	5038.6	4879.1
-55°	4788.9	4854.3	4880.4	4876.0	4880.4	4854.3	4788.9	4705.1	4602.7	4471.9	4327.4
-57.5°	4179.6	4238.6	4256.0	4245.1	4256.0	4238.6	4179.6	4104.7	4014.4	3908.7	3793.4
-60°	3589.5	3637.9	3653.0	3646.8	3653.0	3637.9	3589.5	3528.0	3454.0	3372.1	3279.2
-62.5°	3051.7	3089.2	3104.6	3105.6	3104.6	3089.2	3051.7	3003.9	2945.9	2878.5	2799.9
-65°	2577.2	2605.0	2617.4	2619.8	2617.4	2605.0	2577.2	2541.0	2496.4	2440.7	2374.4
-67.5°	2177.3	2199.0	2206.5	2207.3	2206.5	2199.0	2177.3	2149.3	2114.7	2070.2	2014.0
-70°	1891.8	1916.0	1926.1	1931.8	1926.1	1916.0	1891.8	1864.5	1833.9	1795.6	1744.2
-72.5°	1715.5	1740.3	1752.0	1760.6	1752.0	1740.3	1715.5	1688.8	1660.3	1623.8	1566.9
-75°	1572.0	1598.3	1606.6	1610.7	1606.6	1598.3	1572.0	1543.6	1513.8	1476.7	1413.7
-77.5°	1320.6	1334.8	1340.1	1341.7	1340.1	1334.8	1320.6	1303.6	1283.9	1258.0	1206.6
-80°	987.5	994.9	1009.1	1020.5	1009.1	994.9	987.5	977.2	964.2	946.8	909.1
-82.5°	601.7	602.9	611.2	617.9	611.2	602.9	601.7	598.5	593.3	585.8	570.5
-85°	292.6	295.3	302.0	308.1	302.0	295.3	292.6	289.3	285.2	280.5	277.0
-87.5°	106.1	107.3	106.7	106.0	106.7	107.3	106.1	104.8	103.4	101.9	100.9
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	30.2	28.9	27.7	27.3	26.9	26.5	26.1	24.1	22.0	20.0	17.9
87.5°	14.8	13.5	12.2	12.5	12.8	13.0	13.2	12.3	11.5	10.7	10.0
85°	28.3	26.6	25.0	25.1	25.2	25.2	25.1	24.4	23.4	22.3	20.9
82.5°	34.9	35.6	36.1	38.7	40.8	42.3	43.1	42.7	41.9	40.5	38.4
80°	41.8	44.3	47.0	52.2	56.8	60.8	63.9	65.0	65.7	65.5	63.3
77.5°	46.2	50.2	54.9	62.7	70.0	76.8	82.3	85.0	86.1	86.7	84.3
75°	45.0	49.7	56.4	66.8	77.0	86.9	94.1	98.4	101.8	104.4	101.9
72.5°	38.9	43.3	51.1	63.4	76.2	87.6	97.6	106.1	113.2	118.9	115.3
70°	31.4	34.5	41.7	53.1	65.3	78.0	91.4	105.1	119.2	128.8	123.1
67.5°	25.8	27.6	32.8	41.1	51.3	63.2	77.2	93.0	108.1	122.8	121.4
65°	22.3	23.7	27.0	32.2	39.1	47.7	58.7	72.4	88.8	105.4	107.8
62.5°	19.5	20.9	23.1	26.1	30.0	35.1	43.1	54.4	67.9	79.4	85.2
60°	17.2	18.0	19.4	21.4	23.9	27.0	32.5	39.8	49.0	58.6	64.7
57.5°	15.8	16.5	17.1	18.0	19.2	21.5	24.8	28.9	36.3	42.3	47.5
55°	14.5	15.3	15.8	16.2	16.6	17.9	19.6	22.5	26.9	30.4	36.5
52.5°	14.6	15.1	15.6	16.0	16.3	16.3	16.5	18.4	21.2	25.1	28.6
50°	14.8	15.2	15.7	16.2	16.5	16.4	16.3	16.3	18.8	21.9	24.8
47.5°	16.4	16.8	16.3	16.5	18.1	17.1	16.9	18.1	20.4	20.5	23.1
45°	21.7	22.4	20.2	23.0	24.3	23.3	19.9	24.4	25.7	25.2	22.6
42.5°	36.3	36.3	34.4	40.2	42.0	39.1	35.5	38.9	37.4	33.7	37.9
40°	63.1	60.5	62.8	69.0	70.9	66.3	67.6	63.1	58.9	49.7	64.5
37.5°	105.6	101.9	108.0	110.2	110.0	112.0	111.3	101.9	88.8	96.3	108.0
35°	169.6	165.4	172.0	169.1	162.3	179.4	174.0	153.0	142.4	154.3	162.0
32.5°	281.2	276.4	266.2	253.4	261.1	269.1	258.0	226.9	231.4	231.3	222.8
30°	454.5	433.6	397.5	399.2	413.5	390.5	361.5	372.4	357.0	325.3	294.1
27.5°	738.7	660.5	602.7	638.7	622.5	568.0	576.9	560.7	508.7	450.0	407.6
25°	1186.0	1051.7	1022.8	1002.7	923.5	907.1	911.8	835.9	712.8	627.4	685.4
22.5°	1799.0	1761.4	1647.7	1473.8	1510.1	1488.5	1361.4	1188.4	1060.4	1153.1	1079.2
20°	2990.4	2854.7	2527.0	2598.6	2592.7	2219.3	1923.8	1947.2	2021.4	1859.6	1573.8
17.5°	5435.4	4768.0	4532.1	4579.7	4158.4	3395.8	3398.1	3434.4	3180.5	2708.1	2153.2
15°	9021.8	8388.1	7863.8	7213.4	6449.2	5965.2	5561.9	5184.4	4537.4	3729.4	2996.9
12.5°	13972.3	12711.6	11552.5	10531.7	9660.0	8831.7	8037.4	7186.8	6133.0	5124.9	4279.9
10°	19091.3	17242.4	15698.3	14247.5	12944.7	11775.7	10517.7	9222.6	7898.1	6642.1	5563.2
7.5°	23831.9	21738.8	19799.9	17774.8	15881.1	14301.3	12792.1	11233.3	9636.6	8143.6	6834.3
5°	27882.5	25292.5	22862.9	20548.7	18462.8	16711.7	15015.2	13210.4	11328.8	9611.5	8076.3
2.5°	30606.5	28013.6	25551.5	23061.7	20702.9	18702.4	16759.1	14693.9	12517.5	10492.8	8761.1
0°	32477.4	29587.0	26941.1	24207.2	21708.1	19745.3	17795.6	15702.3	13415.1	11193.1	9388.5
-2.5°	31595.0	28833.3	26367.9	23734.0	21265.0	19281.8	17382.7	15478.9	13235.5	11116.9	9376.6
-5°	29874.8	27167.3	24718.0	22253.9	19971.0	18153.0	16449.1	14769.2	12759.3	10874.9	9293.7
-7.5°	27135.4	24922.3	22783.4	20517.4	18403.8	16708.3	15136.4	13552.9	11783.4	10106.0	8664.3
-10°	23985.1	22117.8	20250.9	18319.7	16624.7	15165.2	13742.2	12295.4	10756.9	9289.9	8000.8
-12.5°	20912.8	19297.8	17617.7	15960.5	14664.5	13513.0	12344.1	11062.4	9700.4	8439.4	7322.1
-15°	17734.1	16740.3	15499.5	14040.2	12785.8	11912.1	11002.1	9956.5	8781.9	7633.1	6641.7
-17.5°	15829.0	14682.3	13662.6	12621.5	11543.1	10481.3	9754.7	8927.1	7971.1	7002.9	6114.7
-20°	14221.8	13314.2	12340.8	11446.4	10569.4	9672.0	8773.2	7972.8	7212.7	6423.7	5678.0



REPORT NUMBER: P731496 (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°	12932.4	12165.5	11348.1	10476.9	9687.7	8932.2	8134.3	7299.7	6497.6	5858.8	5241.3
-25°	11870.7	11164.5	10476.5	9739.3	8949.8	8214.7	7520.9	6796.6	6053.7	5347.2	4815.7
-27.5°	10950.4	10350.2	9707.3	9050.2	8350.4	7626.2	6967.9	6320.8	5663.3	5027.6	4435.1
-30°	10163.3	9634.1	9051.6	8434.4	7812.3	7153.7	6487.0	5901.0	5316.3	4734.6	4182.1
-32.5°	9481.9	9018.7	8481.7	7896.8	7314.8	6728.3	6123.6	5508.0	4980.3	4468.9	3962.2
-35°	8913.0	8464.5	7946.7	7408.3	6875.1	6332.9	5764.4	5201.0	4680.2	4204.5	3738.9
-37.5°	8304.5	7895.4	7418.0	6925.4	6445.8	5944.2	5414.2	4896.9	4399.7	3954.8	3530.5
-40°	7669.3	7284.8	6884.7	6442.2	5995.3	5546.9	5061.3	4580.0	4133.7	3708.3	3317.7
-42.5°	7035.3	6695.9	6342.0	5937.7	5528.8	5124.2	4696.7	4266.5	3857.7	3470.4	3106.0
-45°	6412.1	6104.4	5777.6	5445.0	5077.6	4706.9	4330.7	3954.4	3586.2	3229.6	2884.3
-47.5°	5807.0	5537.9	5258.2	4972.4	4637.3	4298.2	3978.5	3649.1	3309.1	2978.0	2672.9
-50°	5228.2	5002.7	4757.2	4495.1	4207.6	3911.8	3626.4	3333.4	3027.6	2738.4	2456.0
-52.5°	4703.2	4493.4	4267.7	4029.6	3795.8	3542.9	3277.9	3023.2	2759.3	2494.1	2240.0
-55°	4170.3	3995.6	3807.6	3615.1	3416.0	3179.6	2945.3	2716.0	2483.5	2241.9	2028.7
-57.5°	3670.3	3528.8	3362.9	3190.1	3011.6	2814.1	2609.7	2402.4	2208.8	2010.2	1818.0
-60°	3174.4	3053.9	2915.8	2772.0	2623.0	2456.1	2285.8	2115.0	1944.4	1783.7	1620.9
-62.5°	2709.2	2606.4	2493.9	2381.3	2261.0	2128.0	1981.7	1843.2	1705.4	1565.6	1431.4
-65°	2300.0	2217.5	2122.7	2029.2	1929.6	1823.2	1702.1	1588.5	1478.0	1364.8	1247.4
-67.5°	1948.9	1874.2	1793.5	1714.0	1636.9	1548.3	1453.5	1356.7	1266.7	1173.7	1075.4
-70°	1686.5	1622.0	1552.6	1476.9	1400.0	1320.6	1243.9	1165.9	1081.6	1003.6	929.1
-72.5°	1505.9	1440.2	1371.2	1299.4	1221.8	1148.6	1083.9	1021.3	953.1	878.9	808.0
-75°	1351.3	1290.2	1229.5	1165.9	1101.3	1035.8	968.9	905.0	842.9	782.9	722.6
-77.5°	1154.0	1100.8	1046.4	990.2	937.5	888.8	841.9	786.0	725.3	668.1	611.7
-80°	870.8	832.2	793.9	756.6	719.5	682.8	645.5	602.2	561.3	519.9	474.8
-82.5°	553.8	535.9	516.7	494.2	470.8	446.4	420.7	390.6	360.8	331.5	302.3
-85°	272.7	267.7	261.8	252.4	242.3	231.6	220.3	207.3	194.0	180.5	166.6
-87.5°	99.8	98.6	97.1	94.1	91.1	88.0	84.8	81.2	77.6	73.7	69.8
-90°	4.1	4.5	4.9	5.3	5.7	6.1	6.5	6.5	6.5	6.5	6.5



REPORT NUMBER: P731496 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-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°	16.7	15.5	14.2	13.0	12.6	12.2	11.8	11.4	11.0	10.6	10.2
87.5°	10.9	11.7	12.5	13.0	12.2	11.4	10.7	10.0	10.1	10.1	10.1
85°	20.3	20.0	19.9	20.0	18.3	16.3	14.8	13.5	13.7	13.8	13.7
82.5°	34.5	32.0	30.0	28.5	27.6	26.0	23.9	21.2	18.9	17.6	17.2
80°	56.7	50.6	45.0	40.1	37.4	35.9	34.1	31.1	26.2	22.7	20.6
77.5°	76.2	68.5	61.4	54.2	48.0	43.6	40.9	39.1	33.3	27.6	23.6
75°	93.1	83.6	74.5	65.7	57.3	50.7	45.3	41.4	36.6	32.0	26.5
72.5°	104.8	94.9	85.6	75.7	64.7	55.7	48.8	43.6	38.4	33.5	28.7
70°	113.0	103.8	93.7	82.3	70.9	60.1	51.2	45.2	40.2	34.9	29.9
67.5°	118.2	107.6	98.1	87.8	75.9	64.2	53.2	46.7	41.5	36.3	31.0
65°	105.6	103.4	100.2	89.1	78.7	68.0	56.2	48.5	42.7	37.3	32.0
62.5°	89.6	91.5	89.9	87.2	79.2	68.9	59.2	51.3	44.0	38.3	32.9
60°	70.0	75.1	78.5	77.7	75.3	68.7	60.1	53.9	46.1	39.2	33.6
57.5°	54.2	59.2	64.7	67.8	67.3	64.8	60.4	54.8	48.0	40.6	34.5
55°	41.1	47.1	52.7	57.2	59.3	58.1	59.0	55.0	49.3	41.9	35.6
52.5°	33.0	37.9	43.1	48.2	51.5	52.6	54.9	55.0	49.4	43.1	37.1
50°	27.9	33.4	36.9	40.8	44.8	48.2	51.3	52.3	49.3	43.7	38.6
47.5°	28.0	33.3	35.4	35.9	39.1	44.3	47.9	49.7	49.1	43.5	40.2
45°	33.9	37.6	37.7	36.6	36.0	41.9	45.0	47.4	47.2	44.5	41.7
42.5°	45.5	48.5	45.1	38.9	42.8	41.1	42.4	45.2	45.6	45.8	43.0
40°	69.9	65.7	56.9	56.0	56.3	42.1	42.7	43.3	44.4	46.9	44.2
37.5°	101.7	92.7	77.6	82.7	76.9	59.2	44.4	41.7	45.6	47.7	45.5
35°	152.3	128.7	120.0	119.3	106.9	80.6	47.1	41.9	47.6	49.0	46.9
32.5°	212.8	191.7	182.8	163.5	142.5	106.1	61.6	50.1	50.7	50.7	48.3
30°	291.9	301.0	258.8	212.4	183.7	139.8	92.3	60.4	54.8	52.7	49.8
27.5°	449.3	434.5	352.4	281.4	229.7	181.6	144.5	72.6	60.0	55.5	51.4
25°	656.5	595.9	481.9	363.8	278.7	307.8	210.3	87.9	68.6	59.4	53.1
22.5°	936.2	786.8	627.5	453.5	469.3	467.9	301.2	137.9	79.6	63.9	55.0
20°	1261.6	1003.9	845.2	784.5	708.0	639.0	423.7	194.9	91.4	68.8	57.0
17.5°	1642.1	1477.9	1391.3	1189.0	984.1	825.9	564.4	257.5	103.9	74.1	59.2
15°	2557.8	2273.4	1999.0	1635.1	1282.8	1025.5	719.4	324.1	116.8	79.6	65.1
12.5°	3612.1	3105.1	2654.0	2113.3	1598.4	1234.5	884.1	392.8	130.0	92.3	76.2
10°	4687.2	3961.7	3342.2	2612.8	1924.7	1449.3	1053.8	469.7	161.0	111.0	87.6
7.5°	5768.4	4830.3	4048.6	3122.1	2246.3	1659.5	1233.7	561.2	195.1	130.0	99.2
5°	6753.5	5563.3	4621.8	3531.6	2514.5	1857.8	1407.9	649.2	229.3	148.9	110.9
2.5°	7338.7	6064.5	5087.0	3906.4	2768.4	2047.7	1570.4	731.3	262.8	167.6	122.4
0°	7875.6	6530.7	5516.7	4251.6	3004.5	2226.9	1716.6	805.3	295.1	185.8	133.7
-2.5°	7833.3	6539.2	5506.0	4303.1	3110.9	2320.4	1780.0	895.9	384.7	250.8	176.5
-5°	7743.0	6508.6	5459.7	4321.7	3194.7	2399.4	1824.8	976.3	471.3	314.1	218.3
-7.5°	7343.3	6269.6	5309.0	4290.0	3255.3	2462.1	1853.2	1046.6	553.7	374.7	258.4
-10°	6853.7	5896.9	5016.1	4083.5	3164.4	2455.4	1859.2	1107.1	630.9	431.9	296.2
-12.5°	6347.5	5509.6	4712.8	3862.2	3036.3	2387.4	1801.4	1131.7	698.9	484.7	331.2
-15°	5833.5	5114.6	4406.7	3631.6	2898.7	2310.5	1738.7	1137.1	740.3	527.8	362.9
-17.5°	5347.0	4717.8	4104.4	3396.7	2754.2	2225.9	1674.3	1137.2	776.3	560.8	390.4
-20°	5003.5	4389.9	3810.8	3162.2	2605.7	2134.9	1611.1	1133.1	806.7	589.8	414.2



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 CATALOG NUMBER: EPH-LS-08-0530N-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°	4661.8	4113.8	3558.4	2965.6	2468.3	2038.8	1551.7	1125.7	831.4	614.6	434.6
-25°	4317.5	3834.0	3321.5	2809.6	2348.5	1946.4	1511.9	1115.7	849.9	635.2	451.4
-27.5°	3995.6	3558.1	3094.7	2652.9	2243.2	1867.8	1487.2	1131.0	865.2	651.1	464.4
-30°	3685.6	3308.9	2907.0	2504.8	2133.6	1789.6	1462.9	1140.0	880.4	663.9	473.5
-32.5°	3473.9	3080.6	2732.6	2377.2	2033.6	1707.5	1416.7	1141.2	889.7	672.4	481.6
-35°	3309.1	2910.3	2566.1	2247.5	1935.6	1635.1	1359.4	1134.5	893.2	675.4	486.8
-37.5°	3128.8	2762.3	2423.3	2124.8	1833.9	1556.2	1309.3	1097.5	890.6	673.1	488.3
-40°	2952.8	2607.5	2290.7	2010.4	1737.6	1471.3	1253.8	1058.7	882.3	665.2	486.0
-42.5°	2762.8	2449.3	2159.6	1893.0	1638.5	1403.8	1194.3	1014.5	846.5	656.3	479.8
-45°	2576.2	2285.5	2021.9	1775.4	1537.7	1331.1	1139.1	965.1	803.7	644.6	470.5
-47.5°	2381.4	2123.7	1880.8	1649.8	1451.0	1255.4	1077.6	912.8	757.4	627.4	458.1
-50°	2193.7	1958.3	1736.3	1534.3	1352.4	1180.1	1011.4	856.1	714.5	590.2	441.7
-52.5°	2007.8	1793.8	1596.5	1416.2	1254.2	1098.3	943.3	796.1	667.7	550.9	421.2
-55°	1821.9	1632.7	1456.9	1299.8	1152.5	1013.9	870.7	738.0	617.3	509.4	397.2
-57.5°	1642.7	1470.4	1323.3	1183.2	1049.4	923.4	797.3	675.7	565.9	465.5	371.7
-60°	1464.4	1324.2	1190.9	1064.4	943.6	831.4	721.4	611.2	512.5	420.5	337.8
-62.5°	1301.0	1175.6	1055.6	941.9	838.4	739.6	642.6	547.1	456.6	377.8	300.5
-65°	1137.7	1026.8	916.8	825.6	735.0	648.8	566.6	480.4	405.4	333.9	264.4
-67.5°	976.0	888.9	794.5	710.4	639.7	567.2	489.2	420.3	354.8	288.9	232.9
-70°	850.1	764.6	684.3	618.1	554.1	487.5	425.1	362.7	303.0	252.7	200.7
-72.5°	742.8	672.7	597.5	530.4	479.3	423.6	363.4	307.0	262.5	216.2	168.1
-75°	656.1	585.5	519.9	464.0	413.7	359.4	306.9	262.8	221.7	179.1	138.9
-77.5°	551.5	495.7	444.6	389.2	337.7	292.0	252.5	218.1	179.6	142.8	110.3
-80°	423.4	375.0	329.9	288.8	253.0	222.0	193.9	165.4	133.9	105.6	80.8
-82.5°	269.5	242.8	218.5	195.5	173.6	151.9	130.5	109.1	87.2	67.7	55.9
-85°	151.7	137.5	124.0	111.2	96.2	81.3	72.3	63.6	55.5	47.9	40.8
-87.5°	66.8	63.7	60.4	57.0	51.8	46.8	42.1	37.6	33.3	29.3	25.5
-90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.8	9.4	9.0	8.6	8.2	7.4	6.5
87.5°	9.9	9.1	8.3	7.7	7.2	6.8	6.5
85°	13.3	11.6	10.2	9.0	7.9	7.1	6.5
82.5°	16.6	14.2	12.0	10.2	8.6	7.4	6.5
80°	19.7	16.7	13.8	11.4	9.3	7.6	6.5
77.5°	21.2	18.5	15.6	12.5	10.0	7.9	6.5
75°	22.6	19.3	17.1	13.7	10.7	8.2	6.5
72.5°	24.0	20.1	17.3	14.8	11.3	8.4	6.5
70°	25.1	20.7	17.6	15.7	12.0	8.7	6.5
67.5°	26.1	21.2	17.7	15.6	12.6	9.0	6.5
65°	27.1	21.9	17.8	15.5	13.2	9.2	6.5
62.5°	28.0	22.8	17.9	15.4	13.7	9.4	6.5
60°	29.0	23.7	17.8	15.2	14.3	9.7	6.5
57.5°	30.0	24.6	18.5	15.0	14.1	9.9	6.5
55°	31.2	25.4	19.3	14.7	14.0	10.1	6.5
52.5°	32.3	26.3	20.0	14.4	13.9	10.3	6.5
50°	33.6	27.4	20.6	14.1	13.8	10.5	6.5
47.5°	34.9	28.5	21.3	13.9	13.7	10.6	6.5
45°	36.2	29.7	21.9	14.4	13.6	10.8	6.5
42.5°	37.6	30.8	22.5	14.8	13.6	10.9	6.5
40°	38.9	31.9	23.2	15.5	13.6	11.1	6.5
37.5°	40.2	33.1	24.1	16.4	13.6	11.2	6.5
35°	41.5	34.1	24.9	17.3	13.6	11.3	6.5
32.5°	42.7	35.1	25.7	18.1	13.6	11.4	6.5
30°	43.9	36.0	26.5	19.0	13.6	11.5	6.5
27.5°	45.0	36.9	28.1	19.9	13.7	11.5	6.5
25°	46.2	37.8	29.8	20.8	13.8	11.6	6.5
22.5°	47.3	39.3	31.6	21.6	13.8	11.6	6.5
20°	48.5	42.3	33.4	22.4	13.9	11.6	6.5
17.5°	52.7	45.6	35.1	23.2	14.0	11.6	6.5
15°	59.0	48.9	36.8	24.0	14.1	11.6	6.5
12.5°	65.6	52.3	38.5	24.8	14.2	11.6	6.5
10°	72.4	55.7	40.1	25.5	14.3	11.6	6.5
7.5°	79.3	59.0	41.6	26.1	14.4	11.6	6.5
5°	86.2	62.3	43.1	26.7	14.5	11.5	6.5
2.5°	92.9	65.5	44.4	27.2	14.6	11.5	6.5
0°	99.4	68.5	45.6	27.7	14.7	11.4	6.5
-2.5°	125.4	83.4	53.3	31.1	15.8	11.6	6.5
-5°	150.7	97.8	60.7	34.4	16.9	11.9	6.5
-7.5°	174.9	111.7	67.9	37.5	18.0	12.1	6.5
-10°	197.8	124.8	74.6	40.5	19.1	12.3	6.5
-12.5°	219.0	137.0	80.9	43.2	20.1	12.5	6.5
-15°	238.2	148.0	86.6	45.7	21.0	12.7	6.5
-17.5°	255.1	157.9	91.7	47.9	21.8	12.8	6.5
-20°	271.1	166.3	96.0	49.8	22.6	13.0	6.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	287.1	173.2	99.6	51.4	23.3	13.1	6.5
-25°	300.8	182.0	102.4	52.6	24.0	13.2	6.5
-27.5°	312.0	190.6	104.2	53.4	24.5	13.2	6.5
-30°	320.5	197.3	105.5	53.8	24.9	13.3	6.5
-32.5°	326.3	202.0	108.9	53.8	25.2	13.3	6.5
-35°	330.8	204.7	111.1	53.4	25.4	13.3	6.5
-37.5°	333.1	205.9	112.0	52.6	25.5	13.2	6.5
-40°	332.2	206.3	111.5	51.2	25.5	13.2	6.5
-42.5°	328.3	204.6	110.7	50.0	25.4	13.1	6.5
-45°	321.3	200.8	109.7	49.2	25.1	13.0	6.5
-47.5°	311.3	194.9	107.5	47.7	24.8	12.9	6.5
-50°	300.3	186.9	104.2	47.2	24.3	12.7	6.5
-52.5°	286.7	176.8	99.7	46.7	23.7	12.5	6.5
-55°	270.2	167.9	94.2	45.8	23.0	12.3	6.5
-57.5°	251.0	157.8	87.5	44.3	22.2	12.0	6.5
-60°	229.7	146.1	80.1	42.4	21.3	11.8	6.5
-62.5°	210.9	132.9	75.2	40.0	20.5	11.5	6.5
-65°	190.0	118.3	69.5	37.3	19.6	11.2	6.5
-67.5°	167.2	105.0	63.2	34.1	18.7	10.9	6.5
-70°	142.6	93.2	56.1	30.6	17.7	10.5	6.5
-72.5°	122.7	80.5	48.5	28.0	16.6	10.2	6.5
-75°	102.5	67.0	40.4	25.6	15.5	9.8	6.5
-77.5°	81.2	52.8	35.0	22.9	14.4	9.4	6.5
-80°	59.1	42.6	30.0	20.2	13.2	9.0	6.5
-82.5°	46.1	34.5	24.9	17.4	12.0	8.6	6.5
-85°	34.2	26.2	19.7	14.5	10.7	8.2	6.5
-87.5°	22.0	17.9	14.4	11.6	9.5	7.8	6.5
-90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5

(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

