

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: P701360 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-80-7F-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701360 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-43)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-80-7F-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

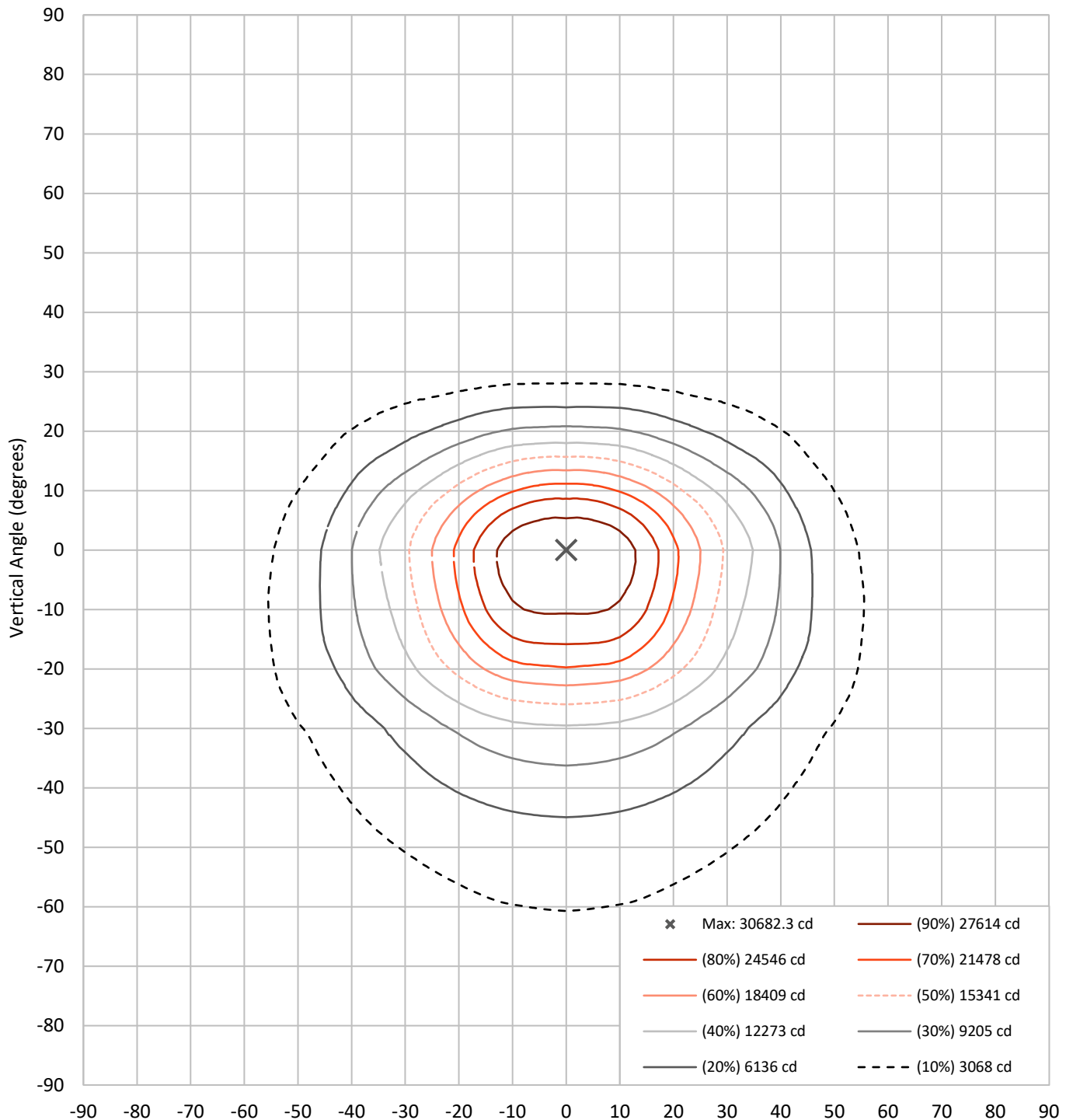
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	26843.4 lumens	Max Intensity:	30682.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	78.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 41.6°V	Field Angle (10%):	109°H x 88.8°V
Beam Lumens:	13013.4 lumens	Field Lumens:	24380.1 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%

Input Watts (W): 344.2
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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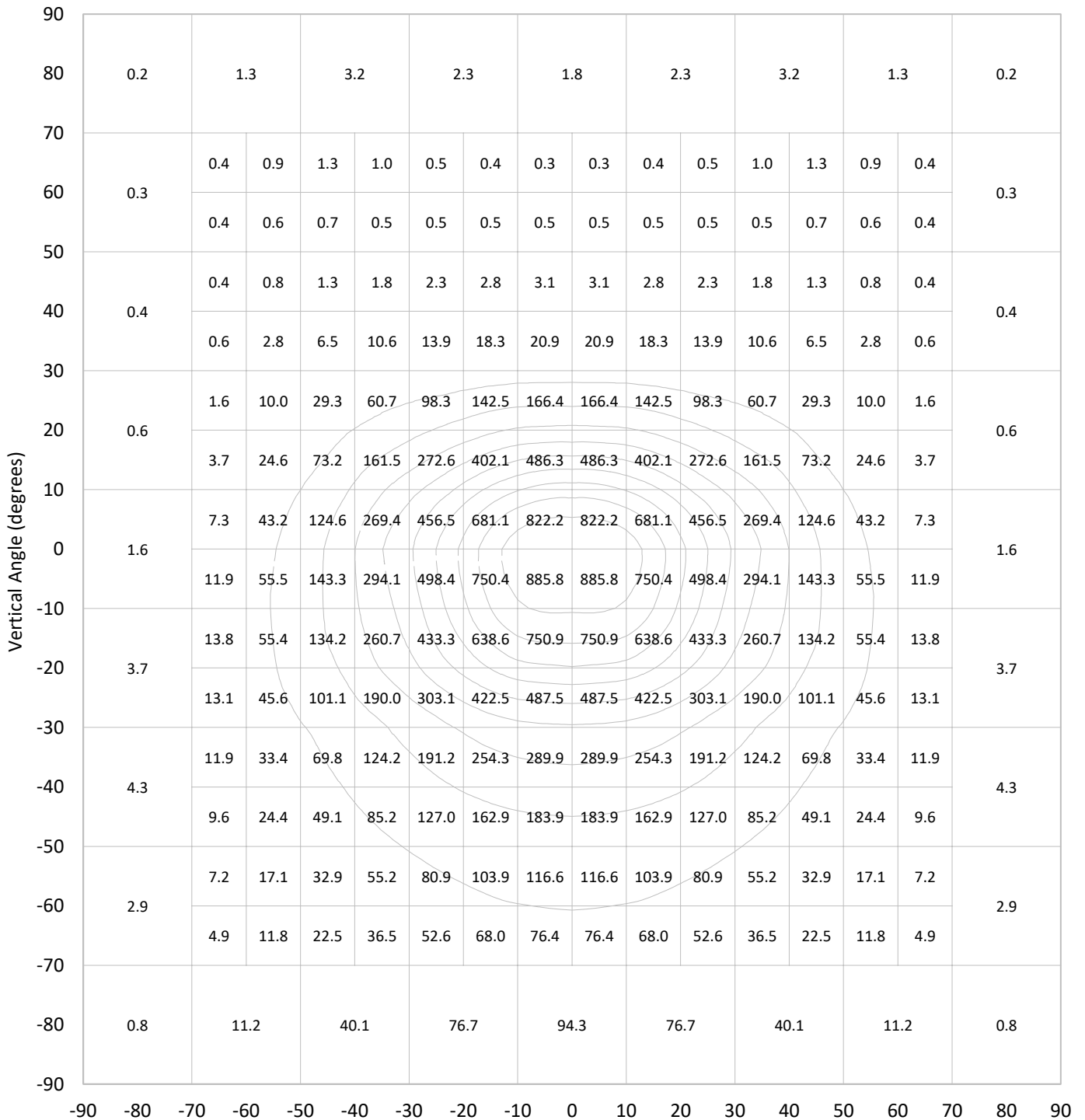
Iso-Candela Plot





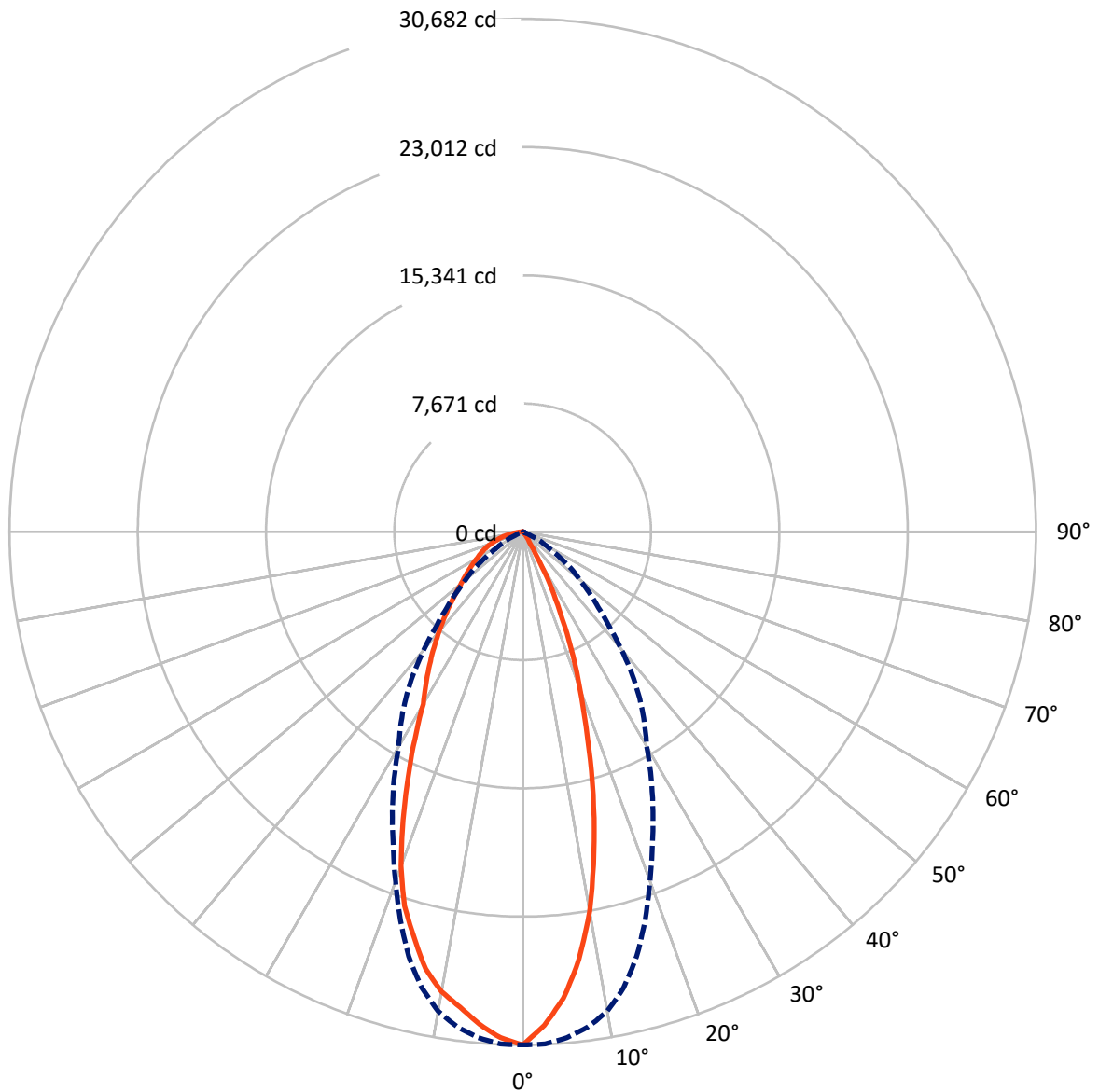
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Lumen Table



REPORT NUMBER: P701360 (CONVERTED FROM TYPE C PHOTOMETRY)
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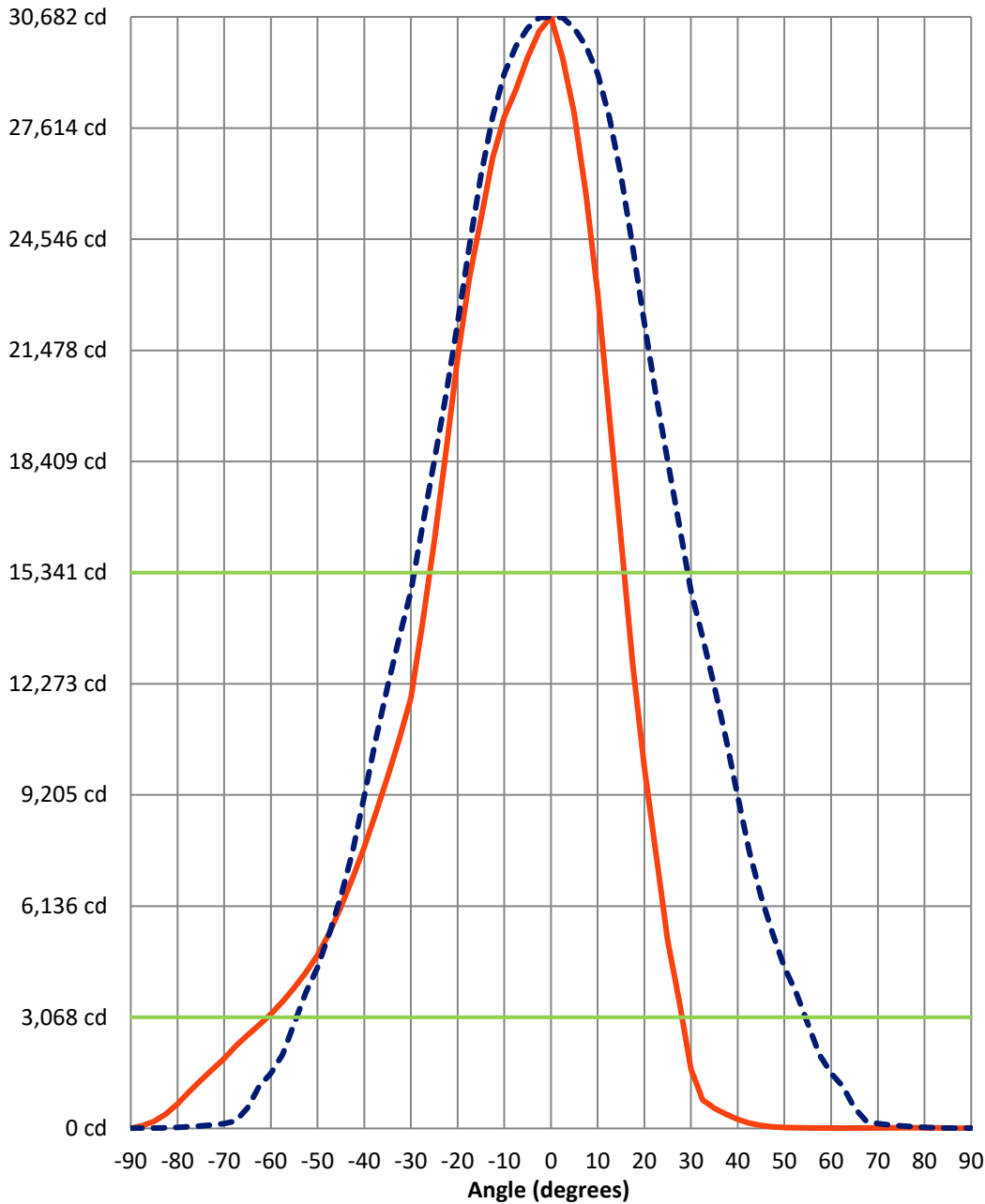
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 41.6°
 Lumens: 13013.4
 Efficiency: 48.5%

Field:
 H Angle: 109°
 V Angle: 88.8°
 Lumens: 24380.1
 Efficiency: 90.8%

Spill:
 Lumens: 2463.3
 Efficiency: 9.2%

— 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°	4.3	4.9	5.4	5.7	6.0	6.2	6.5	6.8	7.0	7.3	7.5
87.5°	4.3	4.5	4.7	5.0	5.3	5.8	6.3	6.4	6.5	6.6	6.6
85°	4.3	4.6	5.0	5.6	6.4	7.2	8.2	8.5	8.8	8.9	8.9
82.5°	4.3	4.8	5.4	6.3	7.4	8.7	10.2	10.7	11.0	11.7	13.1
80°	4.3	4.9	5.8	6.9	8.4	10.1	11.9	12.1	13.3	15.3	18.3
77.5°	4.3	5.1	6.1	7.6	9.4	11.0	12.1	13.2	15.4	18.8	22.3
75°	4.3	5.3	6.5	8.2	10.1	11.0	12.2	14.1	17.2	20.1	23.0
72.5°	4.3	5.4	6.9	8.8	10.1	11.1	12.4	14.7	17.7	20.7	23.6
70°	4.3	5.6	7.2	9.3	10.0	11.1	12.5	15.2	18.2	21.2	24.5
67.5°	4.3	5.7	7.5	9.1	9.9	11.0	12.9	15.5	18.6	22.0	25.5
65°	4.3	5.9	7.8	9.0	9.8	11.2	13.4	15.8	19.3	22.8	26.7
62.5°	4.3	6.0	8.2	8.9	9.6	11.6	13.8	16.3	19.9	23.7	28.7
60°	4.3	6.1	8.4	8.7	9.5	12.0	14.2	16.8	20.5	25.3	30.5
57.5°	4.3	6.3	8.4	8.5	9.8	12.3	14.9	17.4	21.6	26.8	31.4
55°	4.3	6.4	8.3	8.4	10.1	12.7	15.5	18.1	22.8	28.0	31.9
52.5°	4.3	6.5	8.3	8.2	10.4	13.1	16.2	19.3	23.8	28.5	32.4
50°	4.3	6.6	8.2	8.0	10.6	13.7	16.9	20.6	24.7	29.1	31.6
47.5°	4.3	6.7	8.2	7.9	10.9	14.3	17.7	21.9	25.2	29.7	30.6
45°	4.3	6.8	8.2	8.1	11.2	14.8	18.8	23.2	26.5	29.0	29.8
42.5°	4.3	6.9	8.2	8.2	11.4	15.4	19.9	24.5	28.1	28.4	28.9
40°	4.3	7.0	8.2	8.6	11.7	16.0	20.9	26.0	29.6	28.2	28.3
37.5°	4.3	7.1	8.3	9.0	12.1	16.5	22.0	27.6	30.9	29.8	28.0
35°	4.3	7.2	8.3	9.5	12.6	17.3	23.0	29.3	32.5	32.2	30.1
32.5°	4.3	7.2	8.4	10.0	12.9	18.1	24.1	31.1	34.6	35.3	38.6
30°	4.3	7.3	8.5	10.5	13.3	18.8	25.5	32.9	37.0	39.0	47.4
27.5°	4.3	7.4	8.5	11.0	14.4	19.5	26.9	34.7	39.8	43.3	56.4
25°	4.3	7.4	8.6	11.5	15.5	20.2	28.3	36.7	43.2	49.9	66.4
22.5°	4.3	7.5	8.7	12.0	16.8	21.4	29.7	38.9	47.0	57.5	98.4
20°	4.3	7.5	8.8	12.5	18.1	24.1	31.1	41.2	51.0	65.1	132.3
17.5°	4.3	7.5	8.9	13.0	19.4	26.9	34.7	43.5	55.2	72.5	167.5
15°	4.3	7.5	9.0	13.6	20.7	29.8	39.8	48.3	59.6	79.8	203.2
12.5°	4.3	7.5	9.2	14.0	22.0	32.8	44.9	56.2	68.6	86.9	238.8
10°	4.3	7.5	9.3	14.5	23.3	35.9	50.1	64.2	81.6	108.2	285.6
7.5°	4.3	7.5	9.4	15.0	24.5	38.9	55.3	72.3	94.8	132.4	358.5
5°	4.3	7.5	9.5	15.4	25.8	41.8	60.3	80.4	108.0	156.9	430.9
2.5°	4.3	7.5	9.6	15.8	26.9	44.7	65.3	88.3	121.0	181.2	500.8
0°	4.3	7.5	9.7	16.2	28.0	47.4	70.0	95.9	133.6	204.7	565.6
-2.5°	4.3	7.6	10.4	18.6	33.5	57.6	88.2	125.9	180.8	281.0	665.7
-5°	4.3	7.8	11.1	20.9	38.8	67.4	105.8	155.1	226.7	354.6	757.1
-7.5°	4.3	7.9	11.8	23.1	43.8	76.8	122.7	183.1	270.6	424.0	838.7
-10°	4.3	8.0	12.4	25.2	48.6	85.7	138.6	209.4	311.8	488.0	909.0
-12.5°	4.3	8.1	13.0	27.2	53.1	94.0	153.3	233.8	349.5	542.9	935.7
-15°	4.3	8.2	13.6	29.0	57.2	101.4	166.5	255.8	382.7	576.5	939.9
-17.5°	4.3	8.3	14.1	30.6	60.8	108.1	178.1	276.7	411.2	605.3	938.3
-20°	4.3	8.4	14.6	32.0	63.9	113.8	189.4	296.3	435.9	629.0	931.8



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.3	8.4	15.0	33.1	66.5	118.4	201.5	313.0	456.4	647.3	921.0
-25°	4.3	8.5	15.4	34.0	68.5	124.5	211.5	326.7	472.5	660.2	906.4
-27.5°	4.3	8.5	15.7	34.6	69.8	130.4	219.3	337.1	484.1	670.9	915.6
-30°	4.3	8.5	15.9	34.9	70.7	134.8	224.7	344.1	493.7	682.1	919.3
-32.5°	4.3	8.5	16.1	35.0	72.9	137.6	227.8	349.5	500.5	687.0	916.1
-35°	4.3	8.5	16.2	34.7	74.2	138.9	230.3	352.2	502.6	685.6	905.9
-37.5°	4.3	8.5	16.2	34.1	74.6	139.3	231.2	351.4	499.8	677.6	861.7
-40°	4.3	8.4	16.2	33.1	74.2	139.3	229.7	347.1	492.2	668.1	817.3
-42.5°	4.3	8.4	16.0	32.2	73.5	137.9	225.8	339.3	482.4	635.9	770.2
-45°	4.3	8.3	15.8	31.6	72.8	135.1	219.6	329.7	469.3	599.0	721.6
-47.5°	4.3	8.2	15.6	30.6	71.3	130.8	210.9	319.0	451.3	560.2	678.3
-50°	4.3	8.1	15.2	30.3	69.1	125.1	202.9	305.1	419.7	524.7	633.0
-52.5°	4.3	8.0	14.8	30.0	66.1	118.0	193.3	288.1	390.1	487.6	586.5
-55°	4.3	7.9	14.3	29.3	62.4	112.0	181.7	268.6	360.4	449.1	543.9
-57.5°	4.3	7.7	13.8	28.3	58.0	105.3	168.3	250.9	329.4	412.9	499.8
-60°	4.3	7.5	13.1	26.9	53.0	97.6	153.5	228.6	298.0	376.4	455.8
-62.5°	4.3	7.4	12.6	25.3	49.5	88.8	141.1	204.1	268.8	338.5	413.4
-65°	4.3	7.2	12.1	23.3	45.4	79.2	127.3	180.0	238.1	301.7	369.7
-67.5°	4.3	7.0	11.6	21.0	40.7	70.0	112.3	158.8	205.9	264.0	325.5
-70°	4.3	6.8	11.0	18.5	35.6	61.4	96.1	136.5	178.3	224.7	280.1
-72.5°	4.3	6.6	10.4	16.9	30.1	52.1	81.7	113.3	149.7	190.1	234.2
-75°	4.3	6.3	9.7	15.5	24.2	42.2	66.8	92.3	120.1	154.2	191.6
-77.5°	4.3	6.1	9.0	14.0	20.9	31.8	51.2	71.7	94.2	119.0	147.8
-80°	4.3	5.9	8.3	12.4	18.0	25.1	35.0	50.6	68.1	87.4	108.6
-82.5°	4.3	5.6	7.6	10.8	15.1	20.5	27.1	33.5	41.5	55.3	70.5
-85°	4.3	5.4	6.9	9.1	12.1	15.8	20.4	24.6	29.4	34.6	40.2
-87.5°	4.3	5.1	6.1	7.4	9.0	11.0	13.5	15.7	18.2	20.9	23.9
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



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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°	7.8	8.1	8.3	8.6	8.9	9.2	9.4	9.7	10.3	10.8	11.4
87.5°	6.9	7.3	7.6	8.0	7.3	6.6	5.7	4.8	5.0	5.3	5.6
85°	9.5	10.2	11.2	11.9	11.4	10.9	10.5	10.3	10.9	11.4	11.7
82.5°	14.4	15.4	16.0	16.2	16.6	17.1	18.0	19.9	21.1	21.8	22.2
80°	19.8	20.5	21.2	22.7	25.2	28.3	31.7	35.6	36.7	36.5	35.8
77.5°	23.1	24.5	27.1	30.7	35.0	39.3	44.1	49.3	50.7	50.0	48.9
75°	25.1	28.2	32.4	37.6	43.1	48.9	55.1	60.8	62.1	60.3	58.1
72.5°	26.9	31.3	36.9	43.7	50.1	56.0	62.3	68.9	71.4	68.4	64.4
70°	28.4	34.0	40.8	48.1	55.4	61.7	67.9	75.0	79.5	73.8	65.0
67.5°	29.7	36.7	44.2	51.7	57.9	64.3	71.7	74.7	76.4	67.3	57.9
65°	31.8	39.3	45.9	52.2	58.8	61.8	64.3	66.6	65.7	55.4	45.4
62.5°	33.8	39.9	46.1	51.1	53.2	55.0	54.7	52.6	49.2	42.8	35.0
60°	34.5	39.7	44.2	46.3	47.1	45.4	42.8	40.8	38.0	32.5	27.3
57.5°	34.9	37.9	40.4	41.1	39.1	36.4	35.5	32.6	30.5	27.1	22.4
55°	34.6	35.1	36.3	34.8	33.3	32.3	30.7	29.8	26.8	23.6	20.2
52.5°	33.1	32.6	31.5	30.8	31.3	31.1	30.5	29.0	26.3	23.1	21.1
50°	31.8	29.9	28.1	30.6	32.8	34.6	31.8	30.1	30.0	28.5	25.3
47.5°	30.2	27.7	29.2	32.9	39.1	41.4	37.5	37.5	38.7	41.7	38.0
45°	28.7	29.6	32.0	41.3	48.9	52.4	53.0	48.9	59.2	62.6	61.5
42.5°	27.6	33.8	44.8	51.3	63.5	71.1	74.1	80.3	86.4	93.8	95.8
40°	31.7	39.2	64.0	75.0	82.6	95.5	111.2	121.3	123.2	134.5	139.7
37.5°	36.9	61.0	90.3	109.2	108.7	131.2	154.5	179.0	192.8	182.0	207.1
35°	42.9	86.7	128.1	155.7	162.8	176.6	217.8	264.8	310.1	283.6	296.6
32.5°	60.7	116.1	172.3	214.6	255.8	265.1	290.6	417.8	500.2	501.5	435.3
30°	89.7	157.4	225.1	282.9	378.0	421.6	462.4	620.4	758.8	847.9	866.8
27.5°	126.1	204.7	289.6	393.6	528.4	607.1	739.3	908.9	1126.7	1289.7	1402.4
25°	167.0	277.8	360.1	533.6	707.9	852.5	1038.1	1271.5	1576.9	1838.3	2082.3
22.5°	219.6	362.7	472.0	690.5	906.9	1117.9	1375.5	1711.1	2099.8	2439.7	2785.4
20°	285.7	459.1	617.9	884.0	1133.1	1387.1	1717.6	2184.3	2676.3	3156.8	3605.4
17.5°	357.4	560.7	781.3	1105.1	1442.1	1729.3	2075.4	2675.7	3283.4	3943.3	4596.7
15°	432.8	665.9	943.2	1346.3	1773.9	2164.9	2622.6	3234.2	3956.8	4803.2	5646.2
12.5°	510.3	773.1	1102.2	1601.6	2120.0	2608.5	3191.3	3889.1	4718.7	5722.5	6744.7
10°	587.8	880.3	1256.3	1864.3	2473.6	3054.2	3745.6	4521.4	5470.0	6597.9	7754.2
7.5°	728.4	1021.3	1416.2	2127.1	2827.4	3495.5	4280.7	5126.8	6181.4	7435.3	8700.0
5°	878.5	1194.9	1634.2	2402.8	3161.6	3882.7	4761.9	5699.5	6847.6	8223.9	9595.3
2.5°	1024.4	1361.9	1842.3	2660.2	3468.7	4178.1	5085.4	6071.3	7287.3	8774.6	10275.4
0°	1161.3	1521.1	2038.2	2893.6	3751.1	4444.9	5372.4	6402.3	7634.8	9168.8	10748.1
-2.5°	1285.0	1666.6	2203.1	3036.3	3838.3	4510.9	5445.0	6477.8	7696.8	9170.3	10630.3
-5°	1393.8	1802.3	2352.5	3155.5	3903.4	4554.7	5479.5	6508.3	7703.7	9104.3	10467.5
-7.5°	1486.4	1927.2	2485.4	3241.3	3938.1	4589.8	5486.8	6497.5	7663.1	8984.4	10275.3
-10°	1548.2	1978.7	2493.8	3219.0	3928.6	4603.9	5461.7	6445.4	7567.7	8814.3	10037.0
-12.5°	1508.3	1959.6	2464.2	3169.4	3895.8	4585.7	5403.3	6354.2	7419.6	8603.6	9755.6
-15°	1463.0	1928.0	2415.8	3091.7	3839.9	4532.9	5313.2	6225.8	7165.4	8258.6	9395.2
-17.5°	1414.8	1883.3	2348.2	2985.0	3761.0	4443.7	5146.4	5887.3	6749.3	7821.6	8944.4
-20°	1365.7	1825.1	2260.9	2849.0	3652.7	4217.2	4792.3	5481.1	6298.5	7296.7	8420.7



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1317.8	1753.1	2168.8	2729.4	3364.1	3896.8	4416.5	5036.3	5778.6	6681.9	7666.9
-25°	1281.7	1678.5	2079.5	2533.9	3060.8	3571.3	4013.1	4562.6	5237.9	6010.5	6789.8
-27.5°	1253.8	1612.2	1953.2	2341.0	2775.7	3243.1	3635.5	4107.3	4743.2	5362.0	5963.4
-30°	1223.9	1524.6	1825.4	2163.2	2547.4	2935.0	3275.4	3735.9	4301.6	4835.6	5314.3
-32.5°	1166.4	1432.0	1713.3	2017.8	2340.0	2659.3	3015.6	3451.8	3924.6	4383.8	4767.8
-35°	1098.2	1345.1	1605.4	1874.2	2146.4	2455.1	2809.9	3184.1	3584.2	3999.3	4437.0
-37.5°	1041.1	1254.6	1494.4	1741.1	1992.4	2280.0	2597.5	2941.0	3295.7	3667.0	4095.4
-40°	979.6	1160.8	1388.9	1617.4	1848.8	2107.5	2399.3	2704.0	3021.9	3373.5	3744.3
-42.5°	915.5	1088.2	1283.5	1491.2	1708.3	1940.1	2194.0	2477.3	2769.4	3078.3	3409.5
-45°	860.4	1011.8	1179.5	1373.1	1566.1	1771.1	2000.5	2247.3	2521.5	2796.4	3084.8
-47.5°	802.4	935.8	1091.5	1253.0	1430.3	1612.0	1804.0	2036.5	2273.4	2525.4	2775.2
-50°	744.6	869.4	1000.1	1149.0	1301.0	1460.3	1628.7	1836.5	2053.9	2265.8	2484.7
-52.5°	692.8	800.4	923.0	1049.4	1184.9	1323.1	1479.2	1660.1	1851.5	2040.3	2235.3
-55°	639.1	739.9	847.9	961.7	1078.0	1200.9	1344.6	1505.8	1663.2	1838.8	2013.3
-57.5°	588.3	681.3	779.5	879.9	984.4	1090.6	1229.0	1362.9	1509.1	1654.9	1806.3
-60°	538.6	624.7	714.8	805.8	896.4	1002.9	1120.3	1245.0	1369.5	1493.4	1635.0
-62.5°	488.4	570.7	652.7	735.3	819.5	918.2	1030.1	1140.0	1246.1	1364.1	1484.2
-65°	440.3	515.4	592.9	669.2	743.9	839.6	940.5	1044.4	1147.6	1246.7	1348.7
-67.5°	390.5	458.9	530.4	603.8	675.6	758.7	848.8	943.5	1039.6	1130.8	1224.3
-70°	338.2	399.9	464.3	530.9	600.5	674.5	751.6	834.5	919.7	1000.3	1081.7
-72.5°	283.6	337.1	394.2	454.5	515.0	578.5	645.9	717.1	786.9	854.4	924.8
-75°	230.6	272.6	320.2	371.0	422.6	476.2	532.6	590.7	646.6	701.5	758.0
-77.5°	178.6	211.8	247.9	286.8	325.5	367.1	411.2	457.5	501.1	543.7	587.1
-80°	128.8	149.6	176.0	204.8	234.0	263.7	294.2	325.3	353.1	382.3	413.8
-82.5°	84.8	99.8	115.5	131.9	148.4	165.5	184.1	206.0	224.4	242.6	260.9
-85°	44.8	49.4	58.9	68.9	78.6	88.6	99.1	109.8	119.3	128.4	137.1
-87.5°	26.3	28.8	31.3	33.9	36.1	38.2	40.3	42.4	45.4	48.3	51.3
-90°	4.3	4.3	4.3	4.3	4.0	3.8	3.5	3.2	3.2	3.2	3.2



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	11.9	12.4	13.0	13.5	14.0	14.3	14.6	14.8	15.1	15.4	15.7
87.5°	5.9	5.8	5.6	5.4	5.2	6.5	7.8	9.1	10.5	9.6	8.6
85°	12.0	12.0	11.9	11.7	11.5	13.3	15.1	17.0	18.8	17.2	15.5
82.5°	22.1	21.7	20.9	19.8	18.5	18.3	18.0	17.4	16.6	15.8	15.1
80°	34.7	33.1	31.0	28.5	25.6	24.1	22.6	20.9	19.1	18.6	18.1
77.5°	47.0	43.8	40.1	36.1	31.9	29.2	26.8	24.2	21.5	20.8	20.3
75°	55.5	51.5	46.1	40.3	34.3	30.2	27.2	24.2	21.3	20.2	19.6
72.5°	59.5	53.6	46.9	39.2	31.7	26.9	23.9	21.1	18.6	17.5	17.0
70°	56.5	48.2	40.6	33.2	26.3	21.7	19.5	17.6	16.1	15.3	14.9
67.5°	48.1	39.8	32.5	26.0	20.7	17.1	16.0	14.9	13.9	13.4	13.2
65°	37.3	30.8	25.2	20.6	17.0	14.6	13.6	12.7	11.9	11.3	11.1
62.5°	28.3	23.3	19.6	16.7	14.4	12.8	12.1	11.6	11.1	10.7	10.5
60°	22.6	18.4	16.1	14.6	13.3	12.1	11.9	11.8	11.6	11.4	11.0
57.5°	19.4	16.8	15.1	14.7	14.1	13.3	13.1	13.0	12.6	11.9	11.5
55°	18.5	17.9	17.1	17.4	17.4	16.8	15.9	15.2	14.5	13.9	14.0
52.5°	20.6	22.0	22.7	22.7	21.6	20.0	18.1	18.4	18.7	19.0	19.3
50°	27.5	29.2	29.2	26.8	26.7	25.7	23.6	24.5	25.9	26.2	26.4
47.5°	38.2	39.9	41.0	36.8	37.5	39.8	37.4	36.7	41.2	43.3	44.3
45°	55.7	62.5	64.5	65.8	63.9	69.8	69.9	67.1	76.0	80.8	82.5
42.5°	92.8	104.3	113.4	116.1	113.9	121.3	127.0	126.6	137.7	145.6	147.7
40°	155.3	166.1	179.2	184.0	186.1	192.9	207.2	216.4	227.6	240.0	246.3
37.5°	235.5	252.4	255.1	265.1	277.6	284.0	305.7	324.2	339.5	362.6	377.5
35°	352.9	397.8	349.5	372.4	404.2	407.8	427.6	470.4	481.2	521.7	544.1
32.5°	569.6	653.2	642.2	564.5	632.9	710.4	624.0	777.7	763.9	807.2	862.2
30°	899.0	1142.1	1169.1	1055.4	1245.1	1348.1	1331.6	1484.7	1582.8	1570.7	1761.1
27.5°	1603.8	1798.8	1887.3	2050.6	2153.1	2304.9	2572.2	2728.0	3008.1	3155.1	3331.4
25°	2366.6	2597.1	2881.6	3162.4	3375.7	3712.2	4087.4	4382.4	4778.8	5027.6	5208.9
22.5°	3191.2	3598.3	3994.4	4385.6	4816.2	5279.6	5722.2	6233.4	6715.9	7072.2	7341.5
20°	4095.2	4658.6	5218.9	5755.9	6293.0	6912.8	7460.8	8075.1	8667.8	9183.1	9538.0
17.5°	5212.7	5801.9	6517.3	7235.8	7931.7	8699.2	9508.7	10197.5	11028.7	11715.1	12231.4
15°	6429.8	7167.7	7948.5	8847.2	9787.0	10736.6	11718.5	12731.0	13677.2	14554.9	15212.3
12.5°	7686.7	8605.1	9556.4	10551.5	11641.3	12823.1	14056.8	15262.1	16432.0	17396.7	18298.6
10°	8894.0	10041.7	11145.7	12311.7	13566.6	14888.6	16333.4	17769.1	19128.9	20317.2	21287.8
7.5°	9951.8	11197.9	12471.5	13901.2	15390.8	16872.3	18437.7	20048.1	21595.7	22965.4	24100.1
5°	10946.2	12246.2	13536.5	15074.7	16718.2	18418.2	20190.6	21999.6	23670.4	25219.0	26475.7
2.5°	11721.5	13088.9	14415.6	16102.2	17836.5	19567.9	21375.0	23353.0	25216.8	26900.1	28133.2
0°	12194.9	13544.8	14826.7	16636.6	18420.6	20238.0	22231.0	24336.0	26298.8	27911.5	29112.7
-2.5°	12031.2	13348.2	14739.0	16516.8	18402.8	20220.5	22236.5	24360.9	26311.0	27949.8	29122.8
-5°	11806.4	13097.5	14505.1	16284.0	18124.7	19940.2	21927.9	24017.1	25932.3	27544.5	28655.3
-7.5°	11530.0	12776.2	14148.8	15874.0	17704.4	19522.1	21457.0	23433.7	25265.3	26867.9	27913.3
-10°	11203.3	12384.7	13742.5	15401.8	17218.3	18970.5	20809.1	22766.8	24605.0	26062.4	27184.4
-12.5°	10864.3	12015.3	13276.2	14846.1	16585.1	18214.2	19969.5	21854.8	23474.2	24964.7	25950.7
-15°	10476.1	11579.9	12762.3	14209.3	15785.4	17310.2	18835.0	20497.5	21975.2	23300.5	24348.1
-17.5°	10026.8	11072.6	12110.3	13411.5	14920.5	16282.4	17617.4	19065.1	20378.8	21595.5	22502.6
-20°	9406.2	10266.8	11264.0	12508.7	13815.9	14964.7	16182.7	17398.8	18568.4	19598.3	20366.4



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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°	8517.3	9354.8	10278.5	11296.6	12390.2	13445.4	14488.1	15483.1	16434.6	17291.7	17909.9
-25°	7571.2	8336.1	9169.9	10016.1	10889.4	11834.7	12749.2	13570.5	14352.9	15015.2	15524.4
-27.5°	6631.1	7354.4	8083.5	8766.4	9464.8	10254.4	11054.8	11742.5	12405.2	12923.9	13321.0
-30°	5791.4	6564.7	7206.6	7671.3	8348.2	9040.9	9559.8	10185.5	10707.5	11038.5	11465.2
-32.5°	5328.7	5911.9	6493.9	6971.7	7509.6	8117.3	8608.7	9119.8	9560.5	9916.2	10184.5
-35°	4906.6	5419.1	5910.9	6402.4	6882.6	7370.8	7823.7	8255.2	8646.0	8960.6	9209.2
-37.5°	4527.4	4971.0	5416.2	5840.2	6271.6	6679.7	7068.5	7440.6	7769.2	8052.7	8287.1
-40°	4144.6	4540.8	4932.3	5315.8	5693.0	6026.1	6360.4	6667.9	6945.2	7196.1	7401.0
-42.5°	3760.2	4113.8	4456.6	4804.5	5139.2	5428.3	5704.3	5958.5	6196.3	6410.2	6587.0
-45°	3382.2	3694.5	3996.7	4305.5	4587.7	4851.2	5091.9	5305.9	5510.2	5690.4	5839.0
-47.5°	3041.6	3295.9	3565.5	3829.2	4074.2	4311.5	4522.0	4710.3	4889.6	5042.2	5163.4
-50°	2725.0	2957.2	3184.5	3398.1	3627.1	3835.1	4013.2	4186.8	4349.8	4486.0	4588.3
-52.5°	2427.3	2641.6	2846.0	3045.2	3243.9	3429.1	3599.9	3758.7	3901.1	4025.9	4114.5
-55°	2191.7	2366.8	2532.3	2724.1	2906.4	3071.0	3224.0	3378.1	3515.4	3636.6	3710.7
-57.5°	1968.7	2126.7	2284.2	2450.0	2610.4	2765.0	2910.2	3045.2	3171.7	3285.2	3348.9
-60°	1769.6	1897.1	2047.0	2199.9	2345.3	2483.3	2619.6	2746.3	2863.8	2962.6	3018.9
-62.5°	1602.8	1723.9	1850.7	1978.4	2104.3	2232.7	2356.4	2474.1	2585.7	2675.6	2730.4
-65°	1455.8	1565.4	1676.3	1789.4	1904.1	2017.1	2122.5	2225.8	2326.7	2403.8	2453.1
-67.5°	1317.4	1411.7	1504.9	1601.2	1699.9	1797.5	1890.4	1982.0	2071.7	2133.9	2172.6
-70°	1165.7	1249.0	1329.2	1410.2	1490.9	1570.2	1647.0	1723.6	1799.2	1849.2	1882.2
-72.5°	997.5	1067.1	1132.2	1197.0	1262.9	1328.1	1391.2	1452.6	1511.9	1550.5	1579.1
-75°	815.9	869.0	919.6	970.6	1021.7	1074.7	1126.8	1176.8	1224.5	1253.4	1275.7
-77.5°	631.0	668.6	704.2	740.2	776.1	817.1	858.6	898.9	937.7	958.2	973.5
-80°	445.6	472.0	496.3	519.6	541.7	567.9	594.2	619.7	644.2	655.9	664.6
-82.5°	279.2	294.6	309.1	322.8	335.7	349.7	363.0	375.4	386.9	392.5	396.7
-85°	145.3	152.0	158.2	163.9	169.1	175.6	181.7	187.4	192.7	194.4	195.5
-87.5°	54.2	56.2	58.2	60.1	61.8	64.3	66.7	69.0	71.3	71.9	72.4
-90°	3.2	3.2	3.2	3.2	3.2	3.0	2.7	2.5	2.2	2.2	2.2



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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°	15.9	16.2	16.2	16.2	16.2	16.2	15.9	15.7	15.4	15.1	14.8
87.5°	7.5	6.5	5.9	5.4	5.9	6.5	7.5	8.6	9.6	10.5	9.1
85°	13.7	11.9	11.3	10.8	11.3	11.9	13.7	15.5	17.2	18.8	17.0
82.5°	14.5	14.0	14.0	14.0	14.0	14.0	14.5	15.1	15.8	16.6	17.4
80°	17.7	17.2	17.2	17.2	17.2	17.2	17.7	18.1	18.6	19.1	20.9
77.5°	19.9	19.4	19.4	19.4	19.4	19.4	19.9	20.3	20.8	21.5	24.2
75°	19.0	18.4	18.3	18.3	18.3	18.4	19.0	19.6	20.2	21.3	24.2
72.5°	16.6	16.3	16.2	16.2	16.2	16.3	16.6	17.0	17.5	18.6	21.1
70°	14.5	14.1	14.0	14.0	14.0	14.1	14.5	14.9	15.3	16.1	17.6
67.5°	13.0	12.9	12.9	12.9	12.9	12.9	13.0	13.2	13.4	13.9	14.9
65°	11.0	10.9	10.8	10.8	10.8	10.9	11.0	11.1	11.3	11.9	12.7
62.5°	10.2	9.8	9.2	8.6	9.2	9.8	10.2	10.5	10.7	11.1	11.6
60°	10.5	9.9	9.7	9.7	9.7	9.9	10.5	11.0	11.4	11.6	11.8
57.5°	11.1	10.8	10.8	10.8	10.8	10.8	11.1	11.5	11.9	12.6	13.0
55°	14.0	13.9	14.0	14.0	14.0	13.9	14.0	14.0	13.9	14.5	15.2
52.5°	19.5	19.3	19.3	19.4	19.3	19.3	19.5	19.3	19.0	18.7	18.4
50°	26.7	26.7	26.4	25.9	26.4	26.7	26.7	26.4	26.2	25.9	24.5
47.5°	44.9	44.2	43.5	43.1	43.5	44.2	44.9	44.3	43.3	41.2	36.7
45°	84.4	83.7	82.5	81.9	82.5	83.7	84.4	82.5	80.8	76.0	67.1
42.5°	151.1	149.9	147.0	145.4	147.0	149.9	151.1	147.7	145.6	137.7	126.6
40°	253.3	254.6	252.4	251.0	252.4	254.6	253.3	246.3	240.0	227.6	216.4
37.5°	389.3	395.0	394.3	392.1	394.3	395.0	389.3	377.5	362.6	339.5	324.2
35°	554.4	560.7	557.5	557.0	557.5	560.7	554.4	544.1	521.7	481.2	470.4
32.5°	820.9	811.6	776.9	786.4	776.9	811.6	820.9	862.2	807.2	763.9	777.7
30°	1773.9	1808.1	1710.9	1633.2	1710.9	1808.1	1773.9	1761.1	1570.7	1582.8	1484.7
27.5°	3348.8	3422.4	3408.6	3488.3	3408.6	3422.4	3348.8	3331.4	3155.1	3008.1	2728.0
25°	5280.0	5328.7	5331.9	5188.2	5331.9	5328.7	5280.0	5208.9	5027.6	4778.8	4382.4
22.5°	7441.3	7488.4	7574.2	7574.4	7574.2	7488.4	7441.3	7341.5	7072.2	6715.9	6233.4
20°	9784.7	9793.3	9957.4	9969.2	9957.4	9793.3	9784.7	9538.0	9183.1	8667.8	8075.1
17.5°	12594.9	12731.6	12953.3	12824.1	12953.3	12731.6	12594.9	12231.4	11715.1	11028.7	10197.5
15°	15834.4	16139.8	16376.8	16270.3	16376.8	16139.8	15834.4	15212.3	14554.9	13677.2	12731.0
12.5°	19015.8	19497.1	19726.3	19670.2	19726.3	19497.1	19015.8	18298.6	17396.7	16432.0	15262.1
10°	22044.1	22721.6	22964.8	23050.8	22964.8	22721.6	22044.1	21287.8	20317.2	19128.9	17769.1
7.5°	24947.2	25568.0	25936.9	25782.8	25936.9	25568.0	24947.2	24100.1	22965.4	21595.7	20048.1
5°	27277.2	27801.5	28099.5	27993.4	28099.5	27801.5	27277.2	26475.7	25219.0	23670.4	21999.6
2.5°	28927.3	29416.8	29675.2	29545.2	29675.2	29416.8	28927.3	28133.2	26900.1	25216.8	23353.0
0°	29870.0	30368.8	30661.2	30682.3	30661.2	30368.8	29870.0	29112.7	27911.5	26298.8	24336.0
-2.5°	29833.2	30185.6	30391.1	30286.4	30391.1	30185.6	29833.2	29122.8	27949.8	26311.0	24360.9
-5°	29208.7	29506.2	29612.9	29567.3	29612.9	29506.2	29208.7	28655.3	27544.5	25932.3	24017.1
-7.5°	28438.1	28657.5	28730.9	28676.4	28730.9	28657.5	28438.1	27913.3	26867.9	25265.3	23433.7
-10°	27692.7	27912.0	27949.1	27918.0	27949.1	27912.0	27692.7	27184.4	26062.4	24605.0	22766.8
-12.5°	26607.3	26845.0	26852.7	26780.4	26852.7	26845.0	26607.3	25950.7	24964.7	23474.2	21854.8
-15°	24914.6	25108.9	25140.3	25099.8	25140.3	25108.9	24914.6	24348.1	23300.5	21975.2	20497.5
-17.5°	23033.1	23161.8	23301.2	23456.9	23301.2	23161.8	23033.1	22502.6	21595.5	20378.8	19065.1
-20°	20774.1	20928.0	21092.6	21266.8	21092.6	20928.0	20774.1	20366.4	19598.3	18568.4	17398.8



REPORT NUMBER: P701360 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18235.3	18408.3	18577.0	18665.1	18577.0	18408.3	18235.3	17909.9	17291.7	16434.6	15483.1
-25°	15779.5	15990.1	16123.3	16203.5	16123.3	15990.1	15779.5	15524.4	15015.2	14352.9	13570.5
-27.5°	13528.1	13777.7	13900.6	13953.1	13900.6	13777.7	13528.1	13321.0	12923.9	12405.2	11742.5
-30°	11631.8	11785.1	11806.3	11885.7	11806.3	11785.1	11631.8	11465.2	11038.5	10707.5	10185.5
-32.5°	10381.6	10551.9	10655.4	10742.7	10655.4	10551.9	10381.6	10184.5	9916.2	9560.5	9119.8
-35°	9402.2	9556.5	9658.0	9699.9	9658.0	9556.5	9402.2	9209.2	8960.6	8646.0	8255.2
-37.5°	8463.4	8580.0	8650.9	8707.7	8650.9	8580.0	8463.4	8287.1	8052.7	7769.2	7440.6
-40°	7558.3	7673.9	7744.1	7762.9	7744.1	7673.9	7558.3	7401.0	7196.1	6945.2	6667.9
-42.5°	6713.5	6802.5	6863.6	6905.4	6863.6	6802.5	6713.5	6587.0	6410.2	6196.3	5958.5
-45°	5948.5	6026.9	6081.3	6114.7	6081.3	6026.9	5948.5	5839.0	5690.4	5510.2	5305.9
-47.5°	5252.7	5315.8	5359.1	5384.3	5359.1	5315.8	5252.7	5163.4	5042.2	4889.6	4710.3
-50°	4664.6	4721.0	4761.0	4785.3	4761.0	4721.0	4664.6	4588.3	4486.0	4349.8	4186.8
-52.5°	4183.7	4238.5	4278.8	4304.8	4278.8	4238.5	4183.7	4114.5	4025.9	3901.1	3758.7
-55°	3772.1	3822.5	3859.0	3882.6	3859.0	3822.5	3772.1	3710.7	3636.6	3515.4	3378.1
-57.5°	3403.1	3447.6	3478.5	3498.0	3478.5	3447.6	3403.1	3348.9	3285.2	3171.7	3045.2
-60°	3067.0	3107.1	3135.6	3155.4	3135.6	3107.1	3067.0	3018.9	2962.6	2863.8	2746.3
-62.5°	2778.9	2821.0	2843.6	2855.9	2843.6	2821.0	2778.9	2730.4	2675.6	2585.7	2474.1
-65°	2498.5	2539.1	2561.0	2573.6	2561.0	2539.1	2498.5	2453.1	2403.8	2326.7	2225.8
-67.5°	2206.7	2236.0	2258.3	2275.2	2258.3	2236.0	2206.7	2172.6	2133.9	2071.7	1982.0
-70°	1910.7	1934.3	1935.1	1928.3	1935.1	1934.3	1910.7	1882.2	1849.2	1799.2	1723.6
-72.5°	1603.8	1624.6	1630.0	1629.9	1630.0	1624.6	1603.8	1579.1	1550.5	1511.9	1452.6
-75°	1294.8	1310.7	1321.4	1328.3	1321.4	1310.7	1294.8	1275.7	1253.4	1224.5	1176.8
-77.5°	986.0	995.6	1004.5	1010.5	1004.5	995.6	986.0	973.5	958.2	937.7	898.9
-80°	671.1	675.6	676.6	675.5	676.6	675.6	671.1	664.6	655.9	644.2	619.7
-82.5°	399.8	401.6	399.6	396.4	399.6	401.6	399.8	396.7	392.5	386.9	375.4
-85°	196.1	196.2	195.8	195.0	195.8	196.2	196.1	195.5	194.4	192.7	187.4
-87.5°	72.8	73.1	74.3	75.4	74.3	73.1	72.8	72.4	71.9	71.3	69.0
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5



REPORT NUMBER: P701360 (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°	14.6	14.3	14.0	13.5	13.0	12.4	11.9	11.4	10.8	10.3	9.7
87.5°	7.8	6.5	5.2	5.4	5.6	5.8	5.9	5.6	5.3	5.0	4.8
85°	15.1	13.3	11.5	11.7	11.9	12.0	12.0	11.7	11.4	10.9	10.3
82.5°	18.0	18.3	18.5	19.8	20.9	21.7	22.1	22.2	21.8	21.1	19.9
80°	22.6	24.1	25.6	28.5	31.0	33.1	34.7	35.8	36.5	36.7	35.6
77.5°	26.8	29.2	31.9	36.1	40.1	43.8	47.0	48.9	50.0	50.7	49.3
75°	27.2	30.2	34.3	40.3	46.1	51.5	55.5	58.1	60.3	62.1	60.8
72.5°	23.9	26.9	31.7	39.2	46.9	53.6	59.5	64.4	68.4	71.4	68.9
70°	19.5	21.7	26.3	33.2	40.6	48.2	56.5	65.0	73.8	79.5	75.0
67.5°	16.0	17.1	20.7	26.0	32.5	39.8	48.1	57.9	67.3	76.4	74.7
65°	13.6	14.6	17.0	20.6	25.2	30.8	37.3	45.4	55.4	65.7	66.6
62.5°	12.1	12.8	14.4	16.7	19.6	23.3	28.3	35.0	42.8	49.2	52.6
60°	11.9	12.1	13.3	14.6	16.1	18.4	22.6	27.3	32.5	38.0	40.8
57.5°	13.1	13.3	14.1	14.7	15.1	16.8	19.4	22.4	27.1	30.5	32.6
55°	15.9	16.8	17.4	17.4	17.1	17.9	18.5	20.2	23.6	26.8	29.8
52.5°	18.1	20.0	21.6	22.7	22.7	22.0	20.6	21.1	23.1	26.3	29.0
50°	23.6	25.7	26.7	26.8	29.2	29.2	27.5	25.3	28.5	30.0	30.1
47.5°	37.4	39.8	37.5	36.8	41.0	39.9	38.2	38.0	41.7	38.7	37.5
45°	69.9	69.8	63.9	65.8	64.5	62.5	55.7	61.5	62.6	59.2	48.9
42.5°	127.0	121.3	113.9	116.1	113.4	104.3	92.8	95.8	93.8	86.4	80.3
40°	207.2	192.9	186.1	184.0	179.2	166.1	155.3	139.7	134.5	123.2	121.3
37.5°	305.7	284.0	277.6	265.1	255.1	252.4	235.5	207.1	182.0	192.8	179.0
35°	427.6	407.8	404.2	372.4	349.5	397.8	352.9	296.6	283.6	310.1	264.8
32.5°	624.0	710.4	632.9	564.5	642.2	653.2	569.6	435.3	501.5	500.2	417.8
30°	1331.6	1348.1	1245.1	1055.4	1169.1	1142.1	899.0	866.8	847.9	758.8	620.4
27.5°	2572.2	2304.9	2153.1	2050.6	1887.3	1798.8	1603.8	1402.4	1289.7	1126.7	908.9
25°	4087.4	3712.2	3375.7	3162.4	2881.6	2597.1	2366.6	2082.3	1838.3	1576.9	1271.5
22.5°	5722.2	5279.6	4816.2	4385.6	3994.4	3598.3	3191.2	2785.4	2439.7	2099.8	1711.1
20°	7460.8	6912.8	6293.0	5755.9	5218.9	4658.6	4095.2	3605.4	3156.8	2676.3	2184.3
17.5°	9508.7	8699.2	7931.7	7235.8	6517.3	5801.9	5212.7	4596.7	3943.3	3283.4	2675.7
15°	11718.5	10736.6	9787.0	8847.2	7948.5	7167.7	6429.8	5646.2	4803.2	3956.8	3234.2
12.5°	14056.8	12823.1	11641.3	10551.5	9556.4	8605.1	7686.7	6744.7	5722.5	4718.7	3889.1
10°	16333.4	14888.6	13566.6	12311.7	11145.7	10041.7	8894.0	7754.2	6597.9	5470.0	4521.4
7.5°	18437.7	16872.3	15390.8	13901.2	12471.5	11197.9	9951.8	8700.0	7435.3	6181.4	5126.8
5°	20190.6	18418.2	16718.2	15074.7	13536.5	12246.2	10946.2	9595.3	8223.9	6847.6	5699.5
2.5°	21375.0	19567.9	17836.5	16102.2	14415.6	13088.9	11721.5	10275.4	8774.6	7287.3	6071.3
0°	22231.0	20238.0	18420.6	16636.6	14826.7	13544.8	12194.9	10748.1	9168.8	7634.8	6402.3
-2.5°	22236.5	20220.5	18402.8	16516.8	14739.0	13348.2	12031.2	10630.3	9170.3	7696.8	6477.8
-5°	21927.9	19940.2	18124.7	16284.0	14505.1	13097.5	11806.4	10467.5	9104.3	7703.7	6508.3
-7.5°	21457.0	19522.1	17704.4	15874.0	14148.8	12776.2	11530.0	10275.3	8984.4	7663.1	6497.5
-10°	20809.1	18970.5	17218.3	15401.8	13742.5	12384.7	11203.3	10037.0	8814.3	7567.7	6445.4
-12.5°	19969.5	18214.2	16585.1	14846.1	13276.2	12015.3	10864.3	9755.6	8603.6	7419.6	6354.2
-15°	18835.0	17310.2	15785.4	14209.3	12762.3	11579.9	10476.1	9395.2	8258.6	7165.4	6225.8
-17.5°	17617.4	16282.4	14920.5	13411.5	12110.3	11072.6	10026.8	8944.4	7821.6	6749.3	5887.3
-20°	16182.7	14964.7	13815.9	12508.7	11264.0	10266.8	9406.2	8420.7	7296.7	6298.5	5481.1



REPORT NUMBER: P701360 (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°	14488.1	13445.4	12390.2	11296.6	10278.5	9354.8	8517.3	7666.9	6681.9	5778.6	5036.3
-25°	12749.2	11834.7	10889.4	10016.1	9169.9	8336.1	7571.2	6789.8	6010.5	5237.9	4562.6
-27.5°	11054.8	10254.4	9464.8	8766.4	8083.5	7354.4	6631.1	5963.4	5362.0	4743.2	4107.3
-30°	9559.8	9040.9	8348.2	7671.3	7206.6	6564.7	5791.4	5314.3	4835.6	4301.6	3735.9
-32.5°	8608.7	8117.3	7509.6	6971.7	6493.9	5911.9	5328.7	4767.8	4383.8	3924.6	3451.8
-35°	7823.7	7370.8	6882.6	6402.4	5910.9	5419.1	4906.6	4437.0	3999.3	3584.2	3184.1
-37.5°	7068.5	6679.7	6271.6	5840.2	5416.2	4971.0	4527.4	4095.4	3667.0	3295.7	2941.0
-40°	6360.4	6026.1	5693.0	5315.8	4932.3	4540.8	4144.6	3744.3	3373.5	3021.9	2704.0
-42.5°	5704.3	5428.3	5139.2	4804.5	4456.6	4113.8	3760.2	3409.5	3078.3	2769.4	2477.3
-45°	5091.9	4851.2	4587.7	4305.5	3996.7	3694.5	3382.2	3084.8	2796.4	2521.5	2247.3
-47.5°	4522.0	4311.5	4074.2	3829.2	3565.5	3295.9	3041.6	2775.2	2525.4	2273.4	2036.5
-50°	4013.2	3835.1	3627.1	3398.1	3184.5	2957.2	2725.0	2484.7	2265.8	2053.9	1836.5
-52.5°	3599.9	3429.1	3243.9	3045.2	2846.0	2641.6	2427.3	2235.3	2040.3	1851.5	1660.1
-55°	3224.0	3071.0	2906.4	2724.1	2532.3	2366.8	2191.7	2013.3	1838.8	1663.2	1505.8
-57.5°	2910.2	2765.0	2610.4	2450.0	2284.2	2126.7	1968.7	1806.3	1654.9	1509.1	1362.9
-60°	2619.6	2483.3	2345.3	2199.9	2047.0	1897.1	1769.6	1635.0	1493.4	1369.5	1245.0
-62.5°	2356.4	2232.7	2104.3	1978.4	1850.7	1723.9	1602.8	1484.2	1364.1	1246.1	1140.0
-65°	2122.5	2017.1	1904.1	1789.4	1676.3	1565.4	1455.8	1348.7	1246.7	1147.6	1044.4
-67.5°	1890.4	1797.5	1699.9	1601.2	1504.9	1411.7	1317.4	1224.3	1130.8	1039.6	943.5
-70°	1647.0	1570.2	1490.9	1410.2	1329.2	1249.0	1165.7	1081.7	1000.3	919.7	834.5
-72.5°	1391.2	1328.1	1262.9	1197.0	1132.2	1067.1	997.5	924.8	854.4	786.9	717.1
-75°	1126.8	1074.7	1021.7	970.6	919.6	869.0	815.9	758.0	701.5	646.6	590.7
-77.5°	858.6	817.1	776.1	740.2	704.2	668.6	631.0	587.1	543.7	501.1	457.5
-80°	594.2	567.9	541.7	519.6	496.3	472.0	445.6	413.8	382.3	353.1	325.3
-82.5°	363.0	349.7	335.7	322.8	309.1	294.6	279.2	260.9	242.6	224.4	206.0
-85°	181.7	175.6	169.1	163.9	158.2	152.0	145.3	137.1	128.4	119.3	109.8
-87.5°	66.7	64.3	61.8	60.1	58.2	56.2	54.2	51.3	48.3	45.4	42.4
-90°	2.7	3.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2



REPORT NUMBER: P701360 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	9.4	9.2	8.9	8.6	8.3	8.1	7.8	7.5	7.3	7.0	6.8
87.5°	5.7	6.6	7.3	8.0	7.6	7.3	6.9	6.6	6.6	6.5	6.4
85°	10.5	10.9	11.4	11.9	11.2	10.2	9.5	8.9	8.9	8.8	8.5
82.5°	18.0	17.1	16.6	16.2	16.0	15.4	14.4	13.1	11.7	11.0	10.7
80°	31.7	28.3	25.2	22.7	21.2	20.5	19.8	18.3	15.3	13.3	12.1
77.5°	44.1	39.3	35.0	30.7	27.1	24.5	23.1	22.3	18.8	15.4	13.2
75°	55.1	48.9	43.1	37.6	32.4	28.2	25.1	23.0	20.1	17.2	14.1
72.5°	62.3	56.0	50.1	43.7	36.9	31.3	26.9	23.6	20.7	17.7	14.7
70°	67.9	61.7	55.4	48.1	40.8	34.0	28.4	24.5	21.2	18.2	15.2
67.5°	71.7	64.3	57.9	51.7	44.2	36.7	29.7	25.5	22.0	18.6	15.5
65°	64.3	61.8	58.8	52.2	45.9	39.3	31.8	26.7	22.8	19.3	15.8
62.5°	54.7	55.0	53.2	51.1	46.1	39.9	33.8	28.7	23.7	19.9	16.3
60°	42.8	45.4	47.1	46.3	44.2	39.7	34.5	30.5	25.3	20.5	16.8
57.5°	35.5	36.4	39.1	41.1	40.4	37.9	34.9	31.4	26.8	21.6	17.4
55°	30.7	32.3	33.3	34.8	36.3	35.1	34.6	31.9	28.0	22.8	18.1
52.5°	30.5	31.1	31.3	30.8	31.5	32.6	33.1	32.4	28.5	23.8	19.3
50°	31.8	34.6	32.8	30.6	28.1	29.9	31.8	31.6	29.1	24.7	20.6
47.5°	37.5	41.4	39.1	32.9	29.2	27.7	30.2	30.6	29.7	25.2	21.9
45°	53.0	52.4	48.9	41.3	32.0	29.6	28.7	29.8	29.0	26.5	23.2
42.5°	74.1	71.1	63.5	51.3	44.8	33.8	27.6	28.9	28.4	28.1	24.5
40°	111.2	95.5	82.6	75.0	64.0	39.2	31.7	28.3	28.2	29.6	26.0
37.5°	154.5	131.2	108.7	109.2	90.3	61.0	36.9	28.0	29.8	30.9	27.6
35°	217.8	176.6	162.8	155.7	128.1	86.7	42.9	30.1	32.2	32.5	29.3
32.5°	290.6	265.1	255.8	214.6	172.3	116.1	60.7	38.6	35.3	34.6	31.1
30°	462.4	421.6	378.0	282.9	225.1	157.4	89.7	47.4	39.0	37.0	32.9
27.5°	739.3	607.1	528.4	393.6	289.6	204.7	126.1	56.4	43.3	39.8	34.7
25°	1038.1	852.5	707.9	533.6	360.1	277.8	167.0	66.4	49.9	43.2	36.7
22.5°	1375.5	1117.9	906.9	690.5	472.0	362.7	219.6	98.4	57.5	47.0	38.9
20°	1717.6	1387.1	1133.1	884.0	617.9	459.1	285.7	132.3	65.1	51.0	41.2
17.5°	2075.4	1729.3	1442.1	1105.1	781.3	560.7	357.4	167.5	72.5	55.2	43.5
15°	2622.6	2164.9	1773.9	1346.3	943.2	665.9	432.8	203.2	79.8	59.6	48.3
12.5°	3191.3	2608.5	2120.0	1601.6	1102.2	773.1	510.3	238.8	86.9	68.6	56.2
10°	3745.6	3054.2	2473.6	1864.3	1256.3	880.3	587.8	285.6	108.2	81.6	64.2
7.5°	4280.7	3495.5	2827.4	2127.1	1416.2	1021.3	728.4	358.5	132.4	94.8	72.3
5°	4761.9	3882.7	3161.6	2402.8	1634.2	1194.9	878.5	430.9	156.9	108.0	80.4
2.5°	5085.4	4178.1	3468.7	2660.2	1842.3	1361.9	1024.4	500.8	181.2	121.0	88.3
0°	5372.4	4444.9	3751.1	2893.6	2038.2	1521.1	1161.3	565.6	204.7	133.6	95.9
-2.5°	5445.0	4510.9	3838.3	3036.3	2203.1	1666.6	1285.0	665.7	281.0	180.8	125.9
-5°	5479.5	4554.7	3903.4	3155.5	2352.5	1802.3	1393.8	757.1	354.6	226.7	155.1
-7.5°	5486.8	4589.8	3938.1	3241.3	2485.4	1927.2	1486.4	838.7	424.0	270.6	183.1
-10°	5461.7	4603.9	3928.6	3219.0	2493.8	1978.7	1548.2	909.0	488.0	311.8	209.4
-12.5°	5403.3	4585.7	3895.8	3169.4	2464.2	1959.6	1508.3	935.7	542.9	349.5	233.8
-15°	5313.2	4532.9	3839.9	3091.7	2415.8	1928.0	1463.0	939.9	576.5	382.7	255.8
-17.5°	5146.4	4443.7	3761.0	2985.0	2348.2	1883.3	1414.8	938.3	605.3	411.2	276.7
-20°	4792.3	4217.2	3652.7	2849.0	2260.9	1825.1	1365.7	931.8	629.0	435.9	296.3



REPORT NUMBER: P701360 (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°
-22.5°	4416.5	3896.8	3364.1	2729.4	2168.8	1753.1	1317.8	921.0	647.3	456.4	313.0
-25°	4013.1	3571.3	3060.8	2533.9	2079.5	1678.5	1281.7	906.4	660.2	472.5	326.7
-27.5°	3635.5	3243.1	2775.7	2341.0	1953.2	1612.2	1253.8	915.6	670.9	484.1	337.1
-30°	3275.4	2935.0	2547.4	2163.2	1825.4	1524.6	1223.9	919.3	682.1	493.7	344.1
-32.5°	3015.6	2659.3	2340.0	2017.8	1713.3	1432.0	1166.4	916.1	687.0	500.5	349.5
-35°	2809.9	2455.1	2146.4	1874.2	1605.4	1345.1	1098.2	905.9	685.6	502.6	352.2
-37.5°	2597.5	2280.0	1992.4	1741.1	1494.4	1254.6	1041.1	861.7	677.6	499.8	351.4
-40°	2399.3	2107.5	1848.8	1617.4	1388.9	1160.8	979.6	817.3	668.1	492.2	347.1
-42.5°	2194.0	1940.1	1708.3	1491.2	1283.5	1088.2	915.5	770.2	635.9	482.4	339.3
-45°	2000.5	1771.1	1566.1	1373.1	1179.5	1011.8	860.4	721.6	599.0	469.3	329.7
-47.5°	1804.0	1612.0	1430.3	1253.0	1091.5	935.8	802.4	678.3	560.2	451.3	319.0
-50°	1628.7	1460.3	1301.0	1149.0	1000.1	869.4	744.6	633.0	524.7	419.7	305.1
-52.5°	1479.2	1323.1	1184.9	1049.4	923.0	800.4	692.8	586.5	487.6	390.1	288.1
-55°	1344.6	1200.9	1078.0	961.7	847.9	739.9	639.1	543.9	449.1	360.4	268.6
-57.5°	1229.0	1090.6	984.4	879.9	779.5	681.3	588.3	499.8	412.9	329.4	250.9
-60°	1120.3	1002.9	896.4	805.8	714.8	624.7	538.6	455.8	376.4	298.0	228.6
-62.5°	1030.1	918.2	819.5	735.3	652.7	570.7	488.4	413.4	338.5	268.8	204.1
-65°	940.5	839.6	743.9	669.2	592.9	515.4	440.3	369.7	301.7	238.1	180.0
-67.5°	848.8	758.7	675.6	603.8	530.4	458.9	390.5	325.5	264.0	205.9	158.8
-70°	751.6	674.5	600.5	530.9	464.3	399.9	338.2	280.1	224.7	178.3	136.5
-72.5°	645.9	578.5	515.0	454.5	394.2	337.1	283.6	234.2	190.1	149.7	113.3
-75°	532.6	476.2	422.6	371.0	320.2	272.6	230.6	191.6	154.2	120.1	92.3
-77.5°	411.2	367.1	325.5	286.8	247.9	211.8	178.6	147.8	119.0	94.2	71.7
-80°	294.2	263.7	234.0	204.8	176.0	149.6	128.8	108.6	87.4	68.1	50.6
-82.5°	184.1	165.5	148.4	131.9	115.5	99.8	84.8	70.5	55.3	41.5	33.5
-85°	99.1	88.6	78.6	68.9	58.9	49.4	44.8	40.2	34.6	29.4	24.6
-87.5°	40.3	38.2	36.1	33.9	31.3	28.8	26.3	23.9	20.9	18.2	15.7
-90°	3.5	3.8	4.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.5	6.2	6.0	5.7	5.4	4.9	4.3
87.5°	6.3	5.8	5.3	5.0	4.7	4.5	4.3
85°	8.2	7.2	6.4	5.6	5.0	4.6	4.3
82.5°	10.2	8.7	7.4	6.3	5.4	4.8	4.3
80°	11.9	10.1	8.4	6.9	5.8	4.9	4.3
77.5°	12.1	11.0	9.4	7.6	6.1	5.1	4.3
75°	12.2	11.0	10.1	8.2	6.5	5.3	4.3
72.5°	12.4	11.1	10.1	8.8	6.9	5.4	4.3
70°	12.5	11.1	10.0	9.3	7.2	5.6	4.3
67.5°	12.9	11.0	9.9	9.1	7.5	5.7	4.3
65°	13.4	11.2	9.8	9.0	7.8	5.9	4.3
62.5°	13.8	11.6	9.6	8.9	8.2	6.0	4.3
60°	14.2	12.0	9.5	8.7	8.4	6.1	4.3
57.5°	14.9	12.3	9.8	8.5	8.4	6.3	4.3
55°	15.5	12.7	10.1	8.4	8.3	6.4	4.3
52.5°	16.2	13.1	10.4	8.2	8.3	6.5	4.3
50°	16.9	13.7	10.6	8.0	8.2	6.6	4.3
47.5°	17.7	14.3	10.9	7.9	8.2	6.7	4.3
45°	18.8	14.8	11.2	8.1	8.2	6.8	4.3
42.5°	19.9	15.4	11.4	8.2	8.2	6.9	4.3
40°	20.9	16.0	11.7	8.6	8.2	7.0	4.3
37.5°	22.0	16.5	12.1	9.0	8.3	7.1	4.3
35°	23.0	17.3	12.6	9.5	8.3	7.2	4.3
32.5°	24.1	18.1	12.9	10.0	8.4	7.2	4.3
30°	25.5	18.8	13.3	10.5	8.5	7.3	4.3
27.5°	26.9	19.5	14.4	11.0	8.5	7.4	4.3
25°	28.3	20.2	15.5	11.5	8.6	7.4	4.3
22.5°	29.7	21.4	16.8	12.0	8.7	7.5	4.3
20°	31.1	24.1	18.1	12.5	8.8	7.5	4.3
17.5°	34.7	26.9	19.4	13.0	8.9	7.5	4.3
15°	39.8	29.8	20.7	13.6	9.0	7.5	4.3
12.5°	44.9	32.8	22.0	14.0	9.2	7.5	4.3
10°	50.1	35.9	23.3	14.5	9.3	7.5	4.3
7.5°	55.3	38.9	24.5	15.0	9.4	7.5	4.3
5°	60.3	41.8	25.8	15.4	9.5	7.5	4.3
2.5°	65.3	44.7	26.9	15.8	9.6	7.5	4.3
0°	70.0	47.4	28.0	16.2	9.7	7.5	4.3
-2.5°	88.2	57.6	33.5	18.6	10.4	7.6	4.3
-5°	105.8	67.4	38.8	20.9	11.1	7.8	4.3
-7.5°	122.7	76.8	43.8	23.1	11.8	7.9	4.3
-10°	138.6	85.7	48.6	25.2	12.4	8.0	4.3
-12.5°	153.3	94.0	53.1	27.2	13.0	8.1	4.3
-15°	166.5	101.4	57.2	29.0	13.6	8.2	4.3
-17.5°	178.1	108.1	60.8	30.6	14.1	8.3	4.3
-20°	189.4	113.8	63.9	32.0	14.6	8.4	4.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	201.5	118.4	66.5	33.1	15.0	8.4	4.3
-25°	211.5	124.5	68.5	34.0	15.4	8.5	4.3
-27.5°	219.3	130.4	69.8	34.6	15.7	8.5	4.3
-30°	224.7	134.8	70.7	34.9	15.9	8.5	4.3
-32.5°	227.8	137.6	72.9	35.0	16.1	8.5	4.3
-35°	230.3	138.9	74.2	34.7	16.2	8.5	4.3
-37.5°	231.2	139.3	74.6	34.1	16.2	8.5	4.3
-40°	229.7	139.3	74.2	33.1	16.2	8.4	4.3
-42.5°	225.8	137.9	73.5	32.2	16.0	8.4	4.3
-45°	219.6	135.1	72.8	31.6	15.8	8.3	4.3
-47.5°	210.9	130.8	71.3	30.6	15.6	8.2	4.3
-50°	202.9	125.1	69.1	30.3	15.2	8.1	4.3
-52.5°	193.3	118.0	66.1	30.0	14.8	8.0	4.3
-55°	181.7	112.0	62.4	29.3	14.3	7.9	4.3
-57.5°	168.3	105.3	58.0	28.3	13.8	7.7	4.3
-60°	153.5	97.6	53.0	26.9	13.1	7.5	4.3
-62.5°	141.1	88.8	49.5	25.3	12.6	7.4	4.3
-65°	127.3	79.2	45.4	23.3	12.1	7.2	4.3
-67.5°	112.3	70.0	40.7	21.0	11.6	7.0	4.3
-70°	96.1	61.4	35.6	18.5	11.0	6.8	4.3
-72.5°	81.7	52.1	30.1	16.9	10.4	6.6	4.3
-75°	66.8	42.2	24.2	15.5	9.7	6.3	4.3
-77.5°	51.2	31.8	20.9	14.0	9.0	6.1	4.3
-80°	35.0	25.1	18.0	12.4	8.3	5.9	4.3
-82.5°	27.1	20.5	15.1	10.8	7.6	5.6	4.3
-85°	20.4	15.8	12.1	9.1	6.9	5.4	4.3
-87.5°	13.5	11.0	9.0	7.4	6.1	5.1	4.3
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3

(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

