

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: P731447 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-80-7F-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731447 (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: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-57-80-7F-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

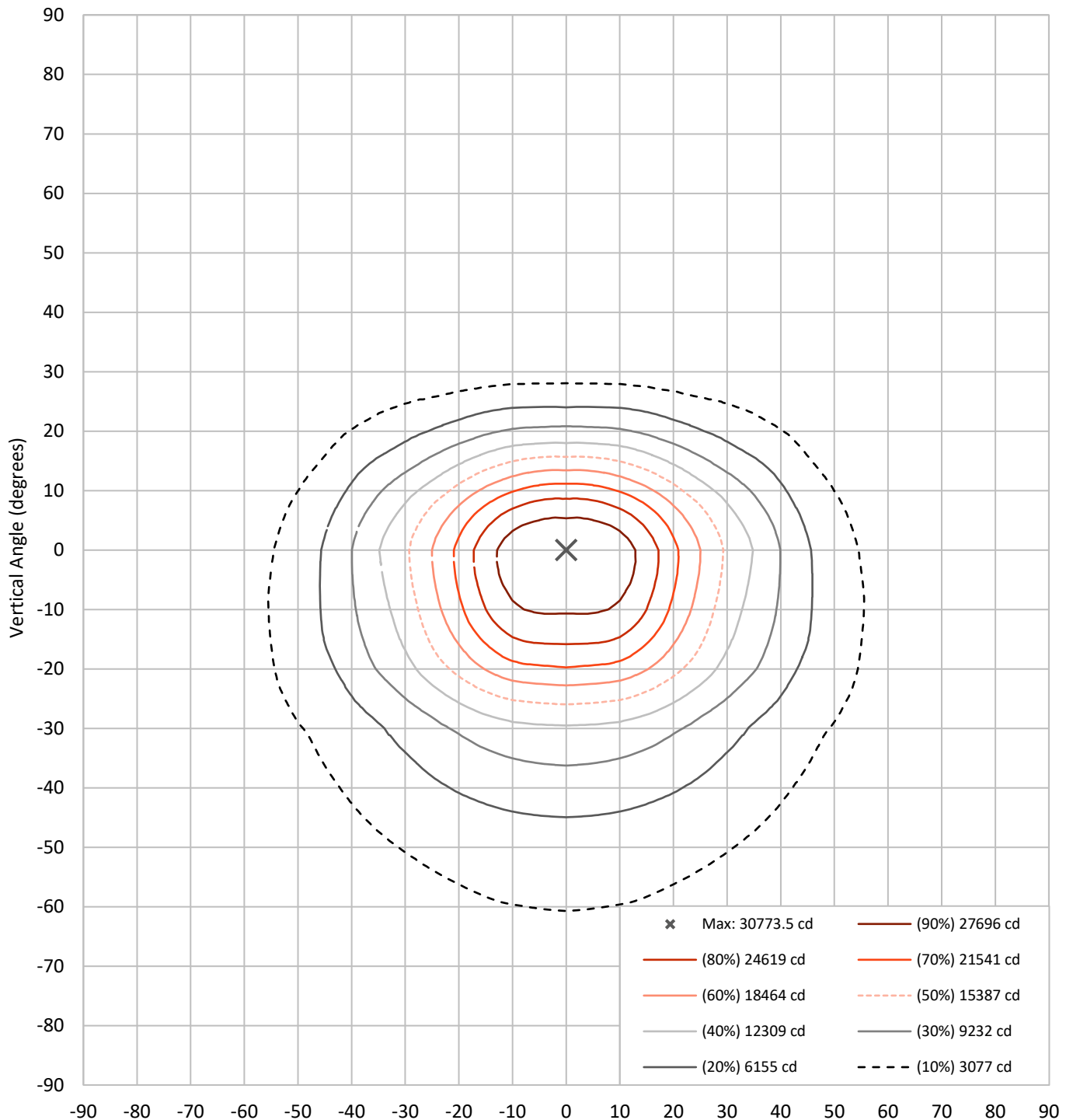
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	26923.2 lumens	Max Intensity:	30773.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	77.9 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:	13052.1 lumens	Field Lumens:	24452.6 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%

Input Watts (W): 345.8
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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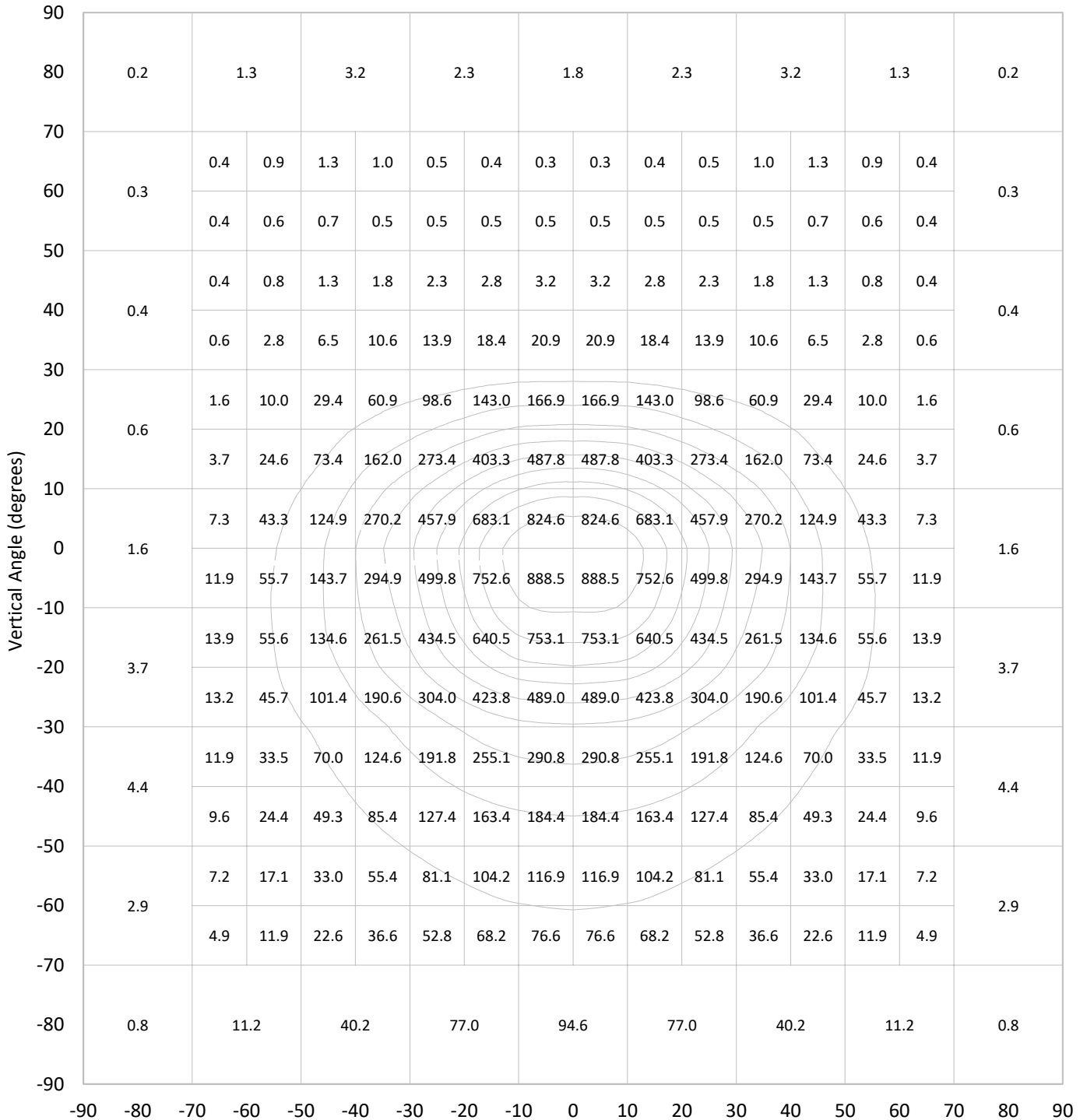
Iso-Candela Plot





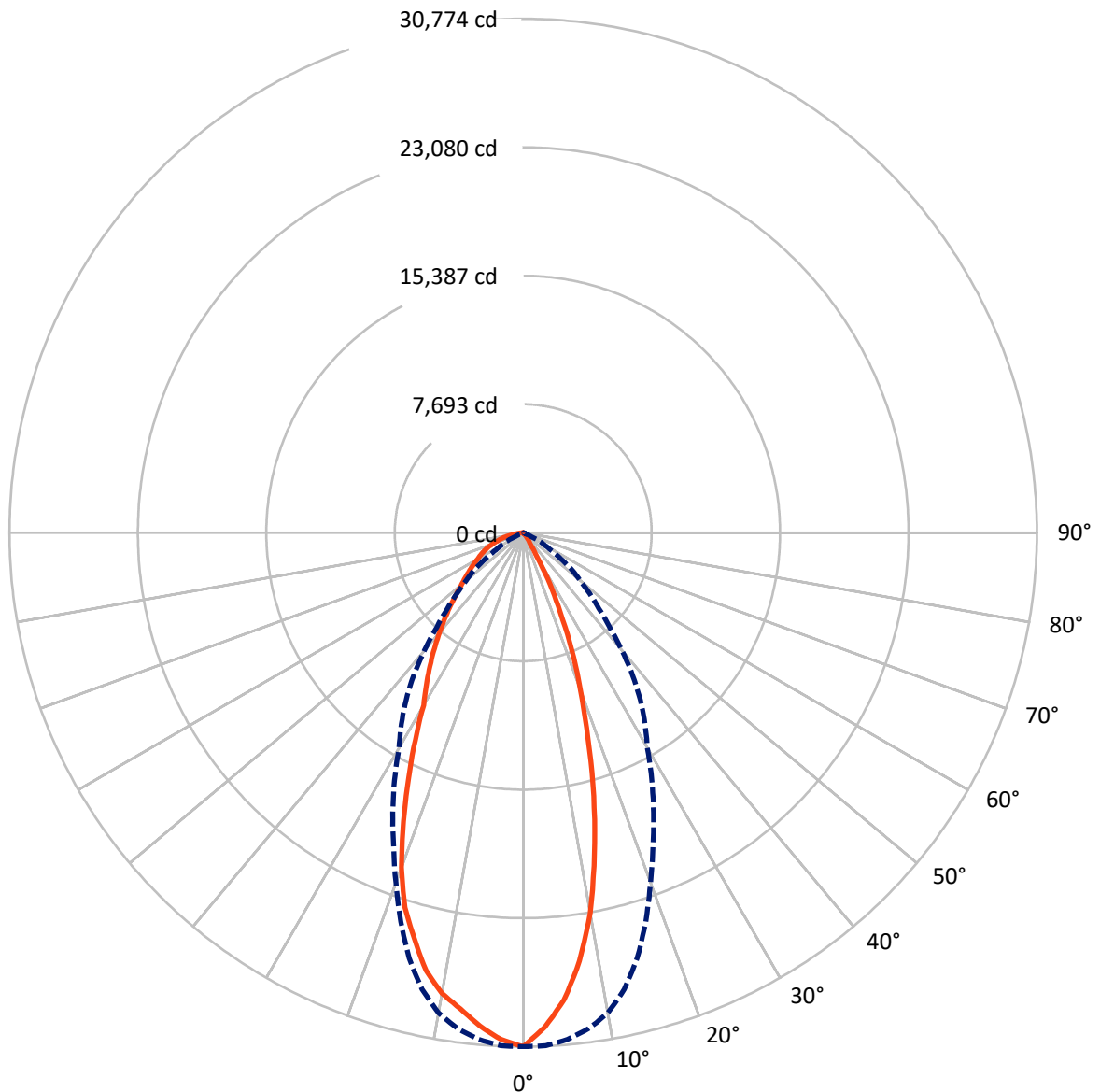
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Lumen Table



REPORT NUMBER: P731447 (CONVERTED FROM TYPE C PHOTOMETRY)
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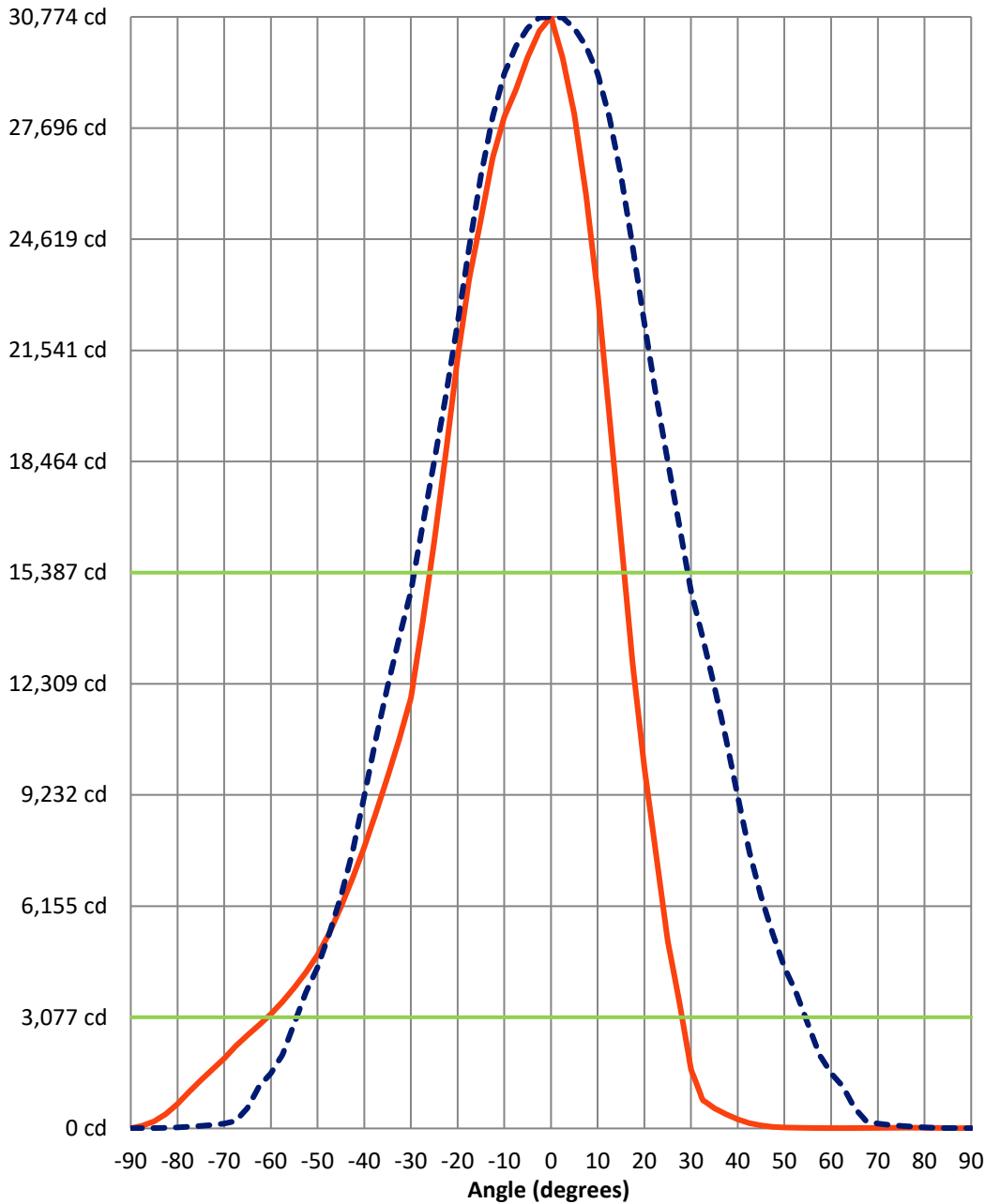
Luminous Intensity Polar Plot



— 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: 13052.1
 Efficiency: 48.5%

Field:
 H Angle: 109°
 V Angle: 88.8°
 Lumens: 24452.6
 Efficiency: 90.8%

Spill:
 Lumens: 2470.6
 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	7.1	7.3	7.6
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	5.0	5.8	6.9	8.4	10.1	11.9	12.2	13.3	15.4	18.4
77.5°	4.3	5.1	6.1	7.6	9.4	11.0	12.1	13.2	15.5	18.9	22.4
75°	4.3	5.3	6.5	8.2	10.1	11.1	12.3	14.1	17.3	20.2	23.1
72.5°	4.3	5.4	6.9	8.8	10.1	11.1	12.4	14.8	17.8	20.8	23.7
70°	4.3	5.6	7.2	9.3	10.0	11.1	12.6	15.2	18.2	21.3	24.6
67.5°	4.3	5.7	7.5	9.2	9.9	11.1	13.0	15.6	18.6	22.1	25.6
65°	4.3	5.9	7.9	9.0	9.8	11.3	13.4	15.9	19.4	22.9	26.8
62.5°	4.3	6.0	8.2	8.9	9.7	11.7	13.8	16.3	20.0	23.8	28.8
60°	4.3	6.2	8.5	8.8	9.6	12.0	14.2	16.9	20.6	25.4	30.6
57.5°	4.3	6.3	8.4	8.6	9.9	12.4	14.9	17.4	21.7	26.9	31.5
55°	4.3	6.4	8.4	8.4	10.2	12.7	15.6	18.2	22.9	28.1	32.0
52.5°	4.3	6.6	8.3	8.3	10.4	13.1	16.3	19.4	23.9	28.6	32.5
50°	4.3	6.7	8.3	8.1	10.7	13.7	17.0	20.7	24.8	29.2	31.7
47.5°	4.3	6.8	8.3	8.0	10.9	14.3	17.7	22.0	25.3	29.8	30.7
45°	4.3	6.9	8.3	8.1	11.2	14.9	18.8	23.3	26.6	29.1	29.9
42.5°	4.3	7.0	8.3	8.3	11.4	15.4	19.9	24.6	28.2	28.5	29.0
40°	4.3	7.1	8.3	8.6	11.7	16.0	21.0	26.1	29.7	28.3	28.4
37.5°	4.3	7.2	8.3	9.1	12.1	16.6	22.1	27.7	31.0	29.9	28.1
35°	4.3	7.2	8.4	9.5	12.6	17.3	23.1	29.4	32.6	32.3	30.2
32.5°	4.3	7.3	8.4	10.0	12.9	18.1	24.2	31.2	34.7	35.4	38.8
30°	4.3	7.4	8.5	10.5	13.3	18.8	25.6	33.0	37.1	39.1	47.5
27.5°	4.3	7.4	8.6	11.0	14.4	19.6	27.0	34.8	39.9	43.4	56.5
25°	4.3	7.5	8.7	11.5	15.6	20.2	28.4	36.8	43.3	50.1	66.5
22.5°	4.3	7.5	8.8	12.0	16.8	21.4	29.8	39.0	47.1	57.7	98.7
20°	4.3	7.6	8.9	12.5	18.1	24.1	31.2	41.3	51.1	65.3	132.7
17.5°	4.3	7.6	9.0	13.1	19.4	27.0	34.8	43.6	55.4	72.7	168.0
15°	4.3	7.6	9.1	13.6	20.7	29.9	39.9	48.4	59.7	80.0	203.9
12.5°	4.3	7.6	9.2	14.0	22.0	32.9	45.0	56.3	68.8	87.1	239.5
10°	4.3	7.6	9.3	14.5	23.3	36.0	50.2	64.4	81.8	108.6	286.5
7.5°	4.3	7.6	9.4	15.0	24.6	39.0	55.4	72.5	95.1	132.8	359.5
5°	4.3	7.6	9.5	15.4	25.8	41.9	60.5	80.6	108.3	157.3	432.2
2.5°	4.3	7.6	9.6	15.8	27.0	44.8	65.5	88.5	121.3	181.7	502.3
0°	4.3	7.6	9.7	16.2	28.1	47.5	70.2	96.2	134.0	205.3	567.3
-2.5°	4.3	7.7	10.4	18.6	33.6	57.7	88.4	126.3	181.4	281.8	667.7
-5°	4.3	7.9	11.1	20.9	38.9	67.6	106.1	155.5	227.4	355.6	759.4
-7.5°	4.3	8.0	11.8	23.2	44.0	77.0	123.1	183.6	271.4	425.3	841.1
-10°	4.3	8.1	12.4	25.3	48.8	86.0	139.0	210.1	312.6	489.4	911.7
-12.5°	4.3	8.2	13.0	27.2	53.3	94.3	153.8	234.6	350.5	544.5	938.5
-15°	4.3	8.3	13.6	29.0	57.4	101.8	167.0	256.6	383.8	578.2	942.6
-17.5°	4.3	8.4	14.1	30.6	61.0	108.5	178.7	277.6	412.4	607.0	941.1
-20°	4.3	8.4	14.6	32.0	64.1	114.2	190.1	297.2	437.1	630.8	934.6



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 CATALOG NUMBER: EPH-LS-08-0320N-57-80-7F-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.3	8.5	15.0	33.2	66.7	118.9	202.1	314.0	457.8	649.2	923.7
-25°	4.3	8.5	15.4	34.1	68.7	125.0	212.2	327.7	474.0	662.1	909.0
-27.5°	4.3	8.6	15.7	34.7	70.0	130.8	220.0	338.1	485.5	672.8	918.2
-30°	4.3	8.6	15.9	35.0	70.9	135.2	225.5	345.2	495.2	684.1	921.9
-32.5°	4.3	8.6	16.1	35.0	73.1	138.1	228.6	350.6	502.0	689.1	918.7
-35°	4.3	8.6	16.2	34.7	74.4	139.4	231.0	353.3	504.1	687.6	908.6
-37.5°	4.3	8.5	16.2	34.1	74.8	139.7	231.9	352.5	501.3	679.7	864.2
-40°	4.3	8.5	16.2	33.2	74.3	139.7	230.4	348.2	493.7	670.1	819.8
-42.5°	4.3	8.4	16.1	32.2	73.7	138.3	226.5	340.3	483.9	637.8	772.5
-45°	4.3	8.3	15.9	31.7	72.9	135.5	220.2	330.7	470.7	600.8	723.7
-47.5°	4.3	8.3	15.6	30.7	71.5	131.2	211.5	320.0	452.6	561.9	680.3
-50°	4.3	8.1	15.2	30.4	69.2	125.5	203.4	306.0	420.9	526.2	634.9
-52.5°	4.3	8.0	14.8	30.0	66.2	118.3	193.8	289.0	391.2	489.1	588.2
-55°	4.3	7.9	14.3	29.4	62.5	112.3	182.2	269.4	361.5	450.4	545.5
-57.5°	4.3	7.7	13.8	28.3	58.1	105.6	168.7	251.6	330.3	414.1	501.2
-60°	4.3	7.6	13.1	27.0	53.1	97.8	153.9	229.2	298.9	377.5	457.1
-62.5°	4.3	7.4	12.7	25.3	49.6	89.1	141.5	204.6	269.6	339.4	414.6
-65°	4.3	7.2	12.1	23.3	45.4	79.4	127.7	180.5	238.7	302.6	370.7
-67.5°	4.3	7.0	11.6	21.1	40.8	70.2	112.6	159.2	206.5	264.8	326.5
-70°	4.3	6.8	11.0	18.5	35.7	61.5	96.4	136.9	178.9	225.4	280.9
-72.5°	4.3	6.6	10.4	16.9	30.2	52.2	82.0	113.7	150.2	190.6	234.9
-75°	4.3	6.3	9.7	15.5	24.2	42.3	67.0	92.6	120.4	154.7	192.2
-77.5°	4.3	6.1	9.0	14.0	20.9	31.9	51.4	71.9	94.5	119.3	148.3
-80°	4.3	5.9	8.3	12.4	18.0	25.2	35.1	50.8	68.3	87.7	109.0
-82.5°	4.3	5.6	7.6	10.8	15.1	20.6	27.2	33.6	41.7	55.5	70.7
-85°	4.3	5.4	6.9	9.1	12.1	15.9	20.4	24.7	29.5	34.7	40.4
-87.5°	4.3	5.1	6.1	7.4	9.0	11.1	13.5	15.8	18.3	21.1	24.0
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



REPORT NUMBER: P731447 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	7.9	8.1	8.4	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	10.6	10.4	10.9	11.4	11.8
82.5°	14.4	15.4	16.0	16.3	16.6	17.2	18.1	20.0	21.2	21.9	22.2
80°	19.9	20.6	21.3	22.8	25.3	28.4	31.8	35.7	36.8	36.6	35.9
77.5°	23.2	24.6	27.2	30.8	35.1	39.4	44.2	49.4	50.8	50.1	49.1
75°	25.2	28.3	32.5	37.7	43.3	49.1	55.2	60.9	62.3	60.5	58.3
72.5°	27.0	31.4	37.0	43.9	50.3	56.2	62.5	69.1	71.6	68.6	64.6
70°	28.5	34.1	40.9	48.3	55.6	61.9	68.1	75.2	79.7	74.0	65.2
67.5°	29.8	36.8	44.3	51.9	58.1	64.4	71.8	74.9	76.6	67.5	58.0
65°	31.9	39.4	46.1	52.4	58.9	62.0	64.5	66.8	65.8	55.5	45.5
62.5°	33.9	40.0	46.2	51.2	53.3	55.2	54.9	52.7	49.3	42.9	35.1
60°	34.6	39.8	44.3	46.5	47.2	45.5	42.9	40.9	38.1	32.6	27.4
57.5°	35.0	38.0	40.5	41.2	39.2	36.5	35.6	32.7	30.6	27.2	22.5
55°	34.7	35.2	36.4	34.9	33.4	32.4	30.8	29.9	26.9	23.7	20.2
52.5°	33.2	32.7	31.6	30.9	31.4	31.2	30.6	29.1	26.4	23.1	21.2
50°	31.9	30.0	28.2	30.7	32.9	34.7	31.9	30.2	30.1	28.6	25.4
47.5°	30.3	27.8	29.3	33.0	39.3	41.6	37.7	37.6	38.8	41.9	38.1
45°	28.8	29.7	32.1	41.4	49.1	52.6	53.2	49.0	59.3	62.8	61.7
42.5°	27.7	33.9	44.9	51.5	63.7	71.3	74.3	80.5	86.6	94.1	96.1
40°	31.8	39.3	64.2	75.3	82.9	95.8	111.5	121.6	123.5	135.0	140.1
37.5°	37.0	61.2	90.6	109.6	109.1	131.6	155.0	179.6	193.4	182.6	207.7
35°	43.0	86.9	128.5	156.2	163.3	177.2	218.5	265.6	311.1	284.4	297.4
32.5°	60.8	116.4	172.9	215.3	256.5	265.9	291.5	419.1	501.7	503.0	436.6
30°	89.9	157.9	225.8	283.7	379.1	422.9	463.8	622.2	761.0	850.4	869.3
27.5°	126.5	205.3	290.5	394.8	529.9	608.9	741.5	911.6	1130.0	1293.5	1406.6
25°	167.5	278.7	361.2	535.2	710.0	855.1	1041.1	1275.3	1581.6	1843.8	2088.5
22.5°	220.2	363.8	473.4	692.5	909.5	1121.2	1379.6	1716.2	2106.0	2446.9	2793.7
20°	286.6	460.5	619.7	886.6	1136.4	1391.2	1722.7	2190.8	2684.3	3166.2	3616.1
17.5°	358.4	562.4	783.6	1108.4	1446.4	1734.5	2081.6	2683.7	3293.2	3955.0	4610.3
15°	434.1	667.9	946.0	1350.3	1779.2	2171.4	2630.4	3243.9	3968.6	4817.5	5663.0
12.5°	511.8	775.4	1105.4	1606.4	2126.3	2616.3	3200.8	3900.7	4732.8	5739.5	6764.7
10°	589.6	883.0	1260.0	1869.8	2481.0	3063.3	3756.7	4534.9	5486.3	6617.5	7777.2
7.5°	730.6	1024.4	1420.4	2133.4	2835.9	3506.0	4293.4	5142.0	6199.8	7457.4	8725.9
5°	881.2	1198.5	1639.1	2409.9	3171.0	3894.3	4776.0	5716.4	6868.0	8248.4	9623.9
2.5°	1027.4	1366.0	1847.8	2668.1	3479.1	4190.5	5100.6	6089.4	7309.0	8800.7	10306.0
0°	1164.8	1525.7	2044.3	2902.2	3762.3	4458.1	5388.4	6421.4	7657.5	9196.1	10780.1
-2.5°	1288.8	1671.6	2209.7	3045.4	3849.7	4524.3	5461.2	6497.1	7719.7	9197.6	10661.9
-5°	1398.0	1807.6	2359.5	3165.0	3915.0	4568.2	5495.8	6527.6	7726.6	9131.4	10498.6
-7.5°	1490.9	1932.9	2492.8	3251.0	3949.8	4603.4	5503.1	6516.8	7685.8	9011.2	10305.8
-10°	1552.9	1984.5	2501.2	3228.6	3940.3	4617.6	5478.0	6464.6	7590.2	8840.5	10066.9
-12.5°	1512.8	1965.4	2471.5	3178.9	3907.4	4599.3	5419.4	6373.1	7441.6	8629.2	9784.6
-15°	1467.4	1933.7	2423.0	3100.9	3851.3	4546.3	5329.0	6244.3	7186.7	8283.2	9423.2
-17.5°	1419.0	1888.9	2355.2	2993.9	3772.2	4456.9	5161.7	5904.8	6769.4	7844.8	8971.0
-20°	1369.8	1830.6	2267.6	2857.4	3663.5	4229.7	4806.6	5497.4	6317.2	7318.4	8445.7



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 CATALOG NUMBER: EPH-LS-08-0320N-57-80-7F-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1321.7	1758.3	2175.2	2737.4	3374.1	3908.4	4429.6	5051.2	5795.8	6701.7	7689.7
-25°	1285.5	1683.5	2085.7	2541.4	3069.9	3581.9	4025.1	4576.1	5253.5	6028.4	6810.0
-27.5°	1257.4	1617.0	1959.0	2348.0	2783.9	3252.8	3646.4	4119.5	4757.2	5377.9	5981.2
-30°	1227.5	1529.1	1830.8	2169.6	2554.9	2943.7	3285.2	3747.0	4314.4	4850.0	5330.2
-32.5°	1169.8	1436.2	1718.4	2023.8	2346.9	2667.2	3024.5	3462.1	3936.3	4396.8	4782.1
-35°	1101.4	1349.1	1610.2	1879.7	2152.8	2462.4	2818.3	3193.5	3594.9	4011.3	4450.2
-37.5°	1044.1	1258.3	1498.8	1746.2	1998.3	2286.7	2605.1	2949.7	3305.5	3677.9	4107.6
-40°	982.4	1164.2	1393.0	1622.2	1854.2	2113.8	2406.4	2712.0	3030.8	3383.5	3755.4
-42.5°	918.3	1091.4	1287.3	1495.7	1713.4	1945.9	2200.5	2484.6	2777.6	3087.4	3419.6
-45°	863.0	1014.7	1182.9	1377.2	1570.8	1776.4	2006.4	2254.0	2529.0	2804.8	3094.0
-47.5°	804.8	938.6	1094.7	1256.7	1434.6	1616.8	1809.3	2042.6	2280.2	2532.9	2783.5
-50°	746.8	872.0	1003.1	1152.3	1304.9	1464.6	1633.5	1842.0	2060.0	2272.6	2492.2
-52.5°	694.8	802.7	925.8	1052.5	1188.4	1327.0	1483.6	1665.0	1857.0	2046.3	2241.9
-55°	641.0	742.1	850.4	964.5	1081.2	1204.5	1348.6	1510.2	1668.1	1844.2	2019.3
-57.5°	590.0	683.3	781.8	882.5	987.3	1093.9	1232.6	1367.0	1513.6	1659.8	1811.6
-60°	540.2	626.5	716.9	808.2	899.1	1005.9	1123.7	1248.8	1373.6	1497.9	1639.9
-62.5°	489.7	572.3	654.6	737.5	821.9	920.9	1033.2	1143.4	1249.8	1368.2	1488.7
-65°	441.6	516.9	594.7	671.2	746.1	842.1	943.3	1047.6	1151.0	1250.4	1352.8
-67.5°	391.6	460.3	532.0	605.6	677.7	760.9	851.3	946.3	1042.7	1134.2	1228.0
-70°	339.2	401.1	465.7	532.5	602.4	676.6	753.9	837.0	922.4	1003.3	1084.9
-72.5°	284.5	338.2	395.3	455.8	516.5	580.2	647.9	719.3	789.3	857.0	927.5
-75°	231.4	273.4	321.2	372.1	423.9	477.6	534.2	592.5	648.6	703.6	760.3
-77.5°	179.1	212.4	248.6	287.6	326.4	368.2	412.4	458.9	502.6	545.4	588.9
-80°	129.2	150.1	176.6	205.4	234.6	264.4	295.0	326.2	354.1	383.4	415.0
-82.5°	85.1	100.1	115.8	132.3	148.9	166.0	184.6	206.6	225.0	243.3	261.6
-85°	44.9	49.6	59.1	69.1	78.8	88.9	99.3	110.1	119.7	128.8	137.4
-87.5°	26.4	28.9	31.4	34.0	36.2	38.3	40.5	42.6	45.5	48.4	51.4
-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	11.8	11.6	13.4	15.2	17.0	18.8	17.2	15.5
82.5°	22.1	21.7	21.0	19.9	18.5	18.3	18.0	17.4	16.6	15.8	15.1
80°	34.8	33.2	31.1	28.6	25.7	24.2	22.7	21.0	19.1	18.6	18.2
77.5°	47.1	44.0	40.3	36.3	32.0	29.3	26.9	24.3	21.6	20.9	20.4
75°	55.7	51.7	46.2	40.4	34.4	30.3	27.2	24.2	21.3	20.2	19.6
72.5°	59.7	53.8	47.1	39.3	31.8	27.0	24.0	21.2	18.7	17.6	17.1
70°	56.6	48.3	40.7	33.3	26.4	21.8	19.6	17.7	16.1	15.3	14.9
67.5°	48.3	39.9	32.6	26.1	20.7	17.2	16.0	14.9	14.0	13.4	13.2
65°	37.4	30.9	25.3	20.7	17.0	14.6	13.7	12.8	11.9	11.4	11.2
62.5°	28.4	23.4	19.7	16.8	14.5	12.9	12.2	11.6	11.1	10.7	10.5
60°	22.7	18.5	16.2	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	14.2	13.4	13.2	13.1	12.6	11.9	11.5
55°	18.5	17.9	17.2	17.5	17.5	16.8	15.9	15.2	14.6	13.9	14.0
52.5°	20.7	22.1	22.8	22.8	21.7	20.0	18.2	18.4	18.8	19.1	19.4
50°	27.6	29.3	29.3	26.9	26.8	25.8	23.7	24.6	26.0	26.3	26.5
47.5°	38.3	40.0	41.1	36.9	37.6	39.9	37.5	36.8	41.3	43.4	44.4
45°	55.9	62.7	64.7	65.9	64.1	70.0	70.1	67.3	76.2	81.0	82.7
42.5°	93.1	104.6	113.7	116.4	114.3	121.7	127.4	126.9	138.1	146.0	148.1
40°	155.7	166.6	179.7	184.6	186.7	193.5	207.8	217.0	228.3	240.7	246.9
37.5°	236.2	253.2	255.9	265.9	278.5	284.8	306.6	325.2	340.5	363.7	378.6
35°	353.9	399.0	350.5	373.5	405.4	409.1	428.9	471.9	482.6	523.3	545.7
32.5°	571.3	655.2	644.2	566.2	634.8	712.5	625.8	780.0	766.2	809.6	864.7
30°	901.7	1145.5	1172.6	1058.5	1248.8	1352.1	1335.5	1489.1	1587.5	1575.3	1766.3
27.5°	1608.6	1804.1	1892.9	2056.7	2159.5	2311.8	2579.9	2736.1	3017.0	3164.5	3341.3
25°	2373.6	2604.8	2890.2	3171.8	3385.7	3723.3	4099.5	4395.4	4793.0	5042.5	5224.3
22.5°	3200.7	3609.0	4006.3	4398.7	4830.5	5295.3	5739.2	6251.9	6735.9	7093.2	7363.4
20°	4107.3	4672.5	5234.4	5773.0	6311.7	6933.3	7483.0	8099.1	8693.6	9210.4	9566.4
17.5°	5228.2	5819.1	6536.7	7257.3	7955.3	8725.0	9536.9	10227.8	11061.4	11750.0	12267.8
15°	6449.0	7189.0	7972.1	8873.5	9816.1	10768.5	11753.3	12768.9	13717.9	14598.2	15257.6
12.5°	7709.5	8630.7	9584.9	10582.9	11675.9	12861.2	14098.6	15307.5	16480.9	17448.5	18353.1
10°	8920.4	10071.6	11178.8	12348.3	13606.9	14932.9	16382.1	17822.0	19185.7	20377.6	21351.1
7.5°	9981.4	11231.2	12508.6	13942.6	15436.6	16922.5	18492.5	20107.7	21659.9	23033.7	24171.8
5°	10978.7	12282.6	13576.7	15119.5	16768.0	18473.0	20250.6	22065.0	23740.8	25294.0	26554.5
2.5°	11756.4	13127.8	14458.5	16150.1	17889.6	19626.1	21438.6	23422.4	25291.7	26980.1	28216.8
0°	12231.2	13585.0	14870.8	16686.0	18475.3	20298.1	22297.0	24408.3	26377.0	27994.5	29199.2
-2.5°	12067.0	13387.9	14782.7	16565.9	18457.4	20280.5	22302.7	24433.4	26389.2	28032.9	29209.4
-5°	11841.5	13136.5	14548.2	16332.4	18178.5	19999.5	21993.1	24088.5	26009.4	27626.4	28740.6
-7.5°	11564.3	12814.2	14190.8	15921.1	17757.0	19580.1	21520.8	23503.3	25340.4	26947.8	27996.3
-10°	11236.6	12421.5	13783.4	15447.6	17269.5	19026.9	20870.9	22834.5	24678.2	26139.9	27265.2
-12.5°	10896.6	12051.0	13315.7	14890.3	16634.4	18268.3	20028.9	21919.7	23544.0	25038.9	26027.8
-15°	10507.2	11614.3	12800.2	14251.6	15832.3	17361.6	18891.0	20558.4	22040.5	23369.7	24420.5
-17.5°	10056.6	11105.6	12146.3	13451.3	14964.8	16330.7	17669.7	19121.7	20439.3	21659.7	22569.5
-20°	9434.2	10297.4	11297.5	12545.9	13856.9	15009.1	16230.8	17450.5	18623.5	19656.6	20427.0



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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°	8542.7	9382.6	10309.1	11330.2	12427.1	13485.4	14531.1	15529.1	16483.5	17343.1	17963.2
-25°	7593.7	8360.8	9197.1	10045.9	10921.8	11869.9	12787.1	13610.8	14395.6	15059.8	15570.6
-27.5°	6650.8	7376.3	8107.5	8792.5	9493.0	10284.9	11087.7	11777.3	12442.1	12962.4	13360.5
-30°	5808.7	6584.2	7228.0	7694.1	8373.0	9067.7	9588.2	10215.7	10739.4	11071.4	11499.3
-32.5°	5344.5	5929.5	6513.2	6992.4	7531.9	8141.4	8634.3	9146.9	9588.9	9945.7	10214.8
-35°	4921.2	5435.2	5928.4	6421.4	6903.0	7392.7	7847.0	8279.7	8671.7	8987.3	9236.6
-37.5°	4540.9	4985.7	5432.3	5857.5	6290.2	6699.5	7089.4	7462.7	7792.3	8076.7	8311.7
-40°	4156.9	4554.3	4947.0	5331.6	5710.0	6044.0	6379.3	6687.7	6965.9	7217.6	7423.0
-42.5°	3771.3	4125.9	4469.9	4818.8	5154.6	5444.5	5721.3	5976.2	6214.7	6429.3	6606.6
-45°	3392.3	3705.5	4008.5	4318.2	4601.4	4865.7	5107.0	5321.6	5526.5	5707.3	5856.3
-47.5°	3050.7	3305.7	3576.1	3840.5	4086.3	4324.3	4535.4	4724.3	4904.1	5057.1	5178.7
-50°	2733.1	2966.0	3194.0	3408.2	3637.8	3846.5	4025.1	4199.2	4362.7	4499.3	4601.9
-52.5°	2434.6	2649.5	2854.5	3054.3	3253.6	3439.3	3610.6	3769.8	3912.6	4037.8	4126.7
-55°	2198.3	2373.9	2539.9	2732.2	2915.1	3080.2	3233.6	3388.2	3525.8	3647.4	3721.7
-57.5°	1974.5	2133.0	2291.1	2457.3	2618.1	2773.2	2918.9	3054.3	3181.2	3295.0	3358.9
-60°	1774.8	1902.7	2053.1	2206.4	2352.2	2490.6	2627.4	2754.5	2872.4	2971.4	3027.9
-62.5°	1607.6	1729.1	1856.3	1984.3	2110.6	2239.4	2363.5	2481.5	2593.4	2683.6	2738.5
-65°	1460.1	1570.1	1681.3	1794.7	1909.7	2023.1	2128.8	2232.4	2333.6	2410.9	2460.4
-67.5°	1321.3	1415.9	1509.3	1605.9	1704.9	1802.8	1895.9	1987.8	2077.8	2140.2	2179.0
-70°	1169.1	1252.7	1333.2	1414.4	1495.3	1574.8	1651.8	1728.6	1804.5	1854.6	1887.8
-72.5°	1000.5	1070.3	1135.6	1200.5	1266.6	1332.0	1395.3	1456.9	1516.3	1555.1	1583.8
-75°	818.3	871.6	922.3	973.5	1024.7	1077.9	1130.2	1180.3	1228.1	1257.1	1279.4
-77.5°	633.0	670.6	706.4	742.4	778.4	819.5	861.2	901.6	940.5	961.1	976.4
-80°	446.9	473.4	497.8	521.1	543.3	569.6	596.0	621.5	646.1	657.9	666.5
-82.5°	280.0	295.5	310.0	323.8	336.7	350.8	364.1	376.5	388.0	393.6	397.9
-85°	145.6	152.4	158.6	164.4	169.6	176.1	182.3	188.0	193.3	195.0	196.1
-87.5°	54.3	56.4	58.3	60.2	62.0	64.5	66.9	69.2	71.5	72.1	72.6
-90°	3.2	3.2	3.2	3.2	3.2	3.0	2.7	2.5	2.2	2.2	2.2



REPORT NUMBER: P731447 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	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	17.3	17.3	17.3	17.3	17.3	17.7	18.2	18.6	19.1	21.0
77.5°	19.9	19.4	19.4	19.4	19.4	19.4	19.9	20.4	20.9	21.6	24.3
75°	19.0	18.5	18.4	18.4	18.4	18.5	19.0	19.6	20.2	21.3	24.2
72.5°	16.7	16.3	16.2	16.2	16.2	16.3	16.7	17.1	17.6	18.7	21.2
70°	14.5	14.1	14.0	14.0	14.0	14.1	14.5	14.9	15.3	16.1	17.7
67.5°	13.1	13.0	13.0	13.0	13.0	13.0	13.1	13.2	13.4	14.0	14.9
65°	11.0	10.9	10.8	10.8	10.8	10.9	11.0	11.2	11.4	11.9	12.8
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	13.1
55°	14.0	13.9	14.0	14.0	14.0	13.9	14.0	14.0	13.9	14.6	15.2
52.5°	19.5	19.3	19.3	19.4	19.3	19.3	19.5	19.4	19.1	18.8	18.4
50°	26.8	26.8	26.5	25.9	26.5	26.8	26.8	26.5	26.3	26.0	24.6
47.5°	45.0	44.3	43.6	43.2	43.6	44.3	45.0	44.4	43.4	41.3	36.8
45°	84.7	84.0	82.8	82.1	82.8	84.0	84.7	82.7	81.0	76.2	67.3
42.5°	151.6	150.4	147.5	145.9	147.5	150.4	151.6	148.1	146.0	138.1	126.9
40°	254.1	255.4	253.2	251.8	253.2	255.4	254.1	246.9	240.7	228.3	217.0
37.5°	390.5	396.2	395.5	393.3	395.5	396.2	390.5	378.6	363.7	340.5	325.2
35°	556.1	562.4	559.1	558.6	559.1	562.4	556.1	545.7	523.3	482.6	471.9
32.5°	823.3	814.0	779.2	788.8	779.2	814.0	823.3	864.7	809.6	766.2	780.0
30°	1779.2	1813.4	1715.9	1638.0	1715.9	1813.4	1779.2	1766.3	1575.3	1587.5	1489.1
27.5°	3358.8	3432.5	3418.8	3498.6	3418.8	3432.5	3358.8	3341.3	3164.5	3017.0	2736.1
25°	5295.7	5344.6	5347.7	5203.7	5347.7	5344.6	5295.7	5224.3	5042.5	4793.0	4395.4
22.5°	7463.4	7510.7	7596.7	7596.9	7596.7	7510.7	7463.4	7363.4	7093.2	6735.9	6251.9
20°	9813.8	9822.4	9987.0	9998.9	9987.0	9822.4	9813.8	9566.4	9210.4	8693.6	8099.1
17.5°	12632.4	12769.4	12991.8	12862.2	12991.8	12769.4	12632.4	12267.8	11750.0	11061.4	10227.8
15°	15881.5	16187.7	16425.5	16318.7	16425.5	16187.7	15881.5	15257.6	14598.2	13717.9	12768.9
12.5°	19072.4	19555.1	19784.9	19728.8	19784.9	19555.1	19072.4	18353.1	17448.5	16480.9	15307.5
10°	22109.6	22789.1	23033.2	23119.3	23033.2	22789.1	22109.6	21351.1	20377.6	19185.7	17822.0
7.5°	25021.3	25644.0	26014.0	25859.5	26014.0	25644.0	25021.3	24171.8	23033.7	21659.9	20107.7
5°	27358.3	27884.2	28183.0	28076.6	28183.0	27884.2	27358.3	26554.5	25294.0	23740.8	22065.0
2.5°	29013.3	29504.3	29763.5	29633.1	29763.5	29504.3	29013.3	28216.8	26980.1	25291.7	23422.4
0°	29958.8	30459.1	30752.4	30773.5	30752.4	30459.1	29958.8	29199.2	27994.5	26377.0	24408.3
-2.5°	29921.9	30275.3	30481.5	30376.5	30481.5	30275.3	29921.9	29209.4	28032.9	26389.2	24433.4
-5°	29295.5	29593.9	29701.0	29655.2	29701.0	29593.9	29295.5	28740.6	27626.4	26009.4	24088.5
-7.5°	28522.7	28742.7	28816.3	28761.7	28816.3	28742.7	28522.7	27996.3	26947.8	25340.4	23503.3
-10°	27775.1	27994.9	28032.2	28001.0	28032.2	27994.9	27775.1	27265.2	26139.9	24678.2	22834.5
-12.5°	26686.4	26924.8	26932.5	26860.0	26932.5	26924.8	26686.4	26027.8	25038.9	23544.0	21919.7
-15°	24988.7	25183.6	25215.1	25174.4	25215.1	25183.6	24988.7	24420.5	23369.7	22040.5	20558.4
-17.5°	23101.6	23230.7	23370.5	23526.6	23370.5	23230.7	23101.6	22569.5	21659.7	20439.3	19121.7
-20°	20835.9	20990.3	21155.3	21330.0	21155.3	20990.3	20835.9	20427.0	19656.6	18623.5	17450.5



REPORT NUMBER: P731447 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18289.5	18463.0	18632.2	18720.6	18632.2	18463.0	18289.5	17963.2	17343.1	16483.5	15529.1
-25°	15826.3	16037.6	16171.2	16251.7	16171.2	16037.6	15826.3	15570.6	15059.8	14395.6	13610.8
-27.5°	13568.2	13818.7	13942.0	13994.5	13942.0	13818.7	13568.2	13360.5	12962.4	12442.1	11777.3
-30°	11666.3	11820.1	11841.4	11921.1	11841.4	11820.1	11666.3	11499.3	11071.4	10739.4	10215.7
-32.5°	10412.5	10583.3	10687.1	10774.7	10687.1	10583.3	10412.5	10214.8	9945.7	9588.9	9146.9
-35°	9430.2	9584.9	9686.8	9728.8	9686.8	9584.9	9430.2	9236.6	8987.3	8671.7	8279.7
-37.5°	8488.6	8605.5	8676.7	8733.6	8676.7	8605.5	8488.6	8311.7	8076.7	7792.3	7462.7
-40°	7580.7	7696.7	7767.1	7786.0	7767.1	7696.7	7580.7	7423.0	7217.6	6965.9	6687.7
-42.5°	6733.4	6822.7	6884.0	6926.0	6884.0	6822.7	6733.4	6606.6	6429.3	6214.7	5976.2
-45°	5966.2	6044.9	6099.4	6132.9	6099.4	6044.9	5966.2	5856.3	5707.3	5526.5	5321.6
-47.5°	5268.3	5331.6	5375.1	5400.3	5375.1	5331.6	5268.3	5178.7	5057.1	4904.1	4724.3
-50°	4678.4	4735.0	4775.1	4799.5	4775.1	4735.0	4678.4	4601.9	4499.3	4362.7	4199.2
-52.5°	4196.1	4251.1	4291.5	4317.6	4291.5	4251.1	4196.1	4126.7	4037.8	3912.6	3769.8
-55°	3783.3	3833.8	3870.4	3894.1	3870.4	3833.8	3783.3	3721.7	3647.4	3525.8	3388.2
-57.5°	3413.2	3457.8	3488.8	3508.4	3488.8	3457.8	3413.2	3358.9	3295.0	3181.2	3054.3
-60°	3076.2	3116.4	3144.9	3164.8	3144.9	3116.4	3076.2	3027.9	2971.4	2872.4	2754.5
-62.5°	2787.2	2829.4	2852.0	2864.4	2852.0	2829.4	2787.2	2738.5	2683.6	2593.4	2481.5
-65°	2505.9	2546.7	2568.7	2581.3	2568.7	2546.7	2505.9	2460.4	2410.9	2333.6	2232.4
-67.5°	2213.3	2242.7	2265.1	2282.0	2265.1	2242.7	2213.3	2179.0	2140.2	2077.8	1987.8
-70°	1916.3	1940.1	1940.9	1934.1	1940.9	1940.1	1916.3	1887.8	1854.6	1804.5	1728.6
-72.5°	1608.6	1629.5	1634.9	1634.8	1634.9	1629.5	1608.6	1583.8	1555.1	1516.3	1456.9
-75°	1298.6	1314.6	1325.3	1332.2	1325.3	1314.6	1298.6	1279.4	1257.1	1228.1	1180.3
-77.5°	988.9	998.6	1007.5	1013.5	1007.5	998.6	988.9	976.4	961.1	940.5	901.6
-80°	673.1	677.6	678.6	677.5	678.6	677.6	673.1	666.5	657.9	646.1	621.5
-82.5°	400.9	402.8	400.8	397.6	400.8	402.8	400.9	397.9	393.6	388.0	376.5
-85°	196.7	196.8	196.4	195.6	196.4	196.8	196.7	196.1	195.0	193.3	188.0
-87.5°	73.0	73.3	74.5	75.6	74.5	73.3	73.0	72.6	72.1	71.5	69.2
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5



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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°	15.2	13.4	11.6	11.8	11.9	12.0	12.0	11.8	11.4	10.9	10.4
82.5°	18.0	18.3	18.5	19.9	21.0	21.7	22.1	22.2	21.9	21.2	20.0
80°	22.7	24.2	25.7	28.6	31.1	33.2	34.8	35.9	36.6	36.8	35.7
77.5°	26.9	29.3	32.0	36.3	40.3	44.0	47.1	49.1	50.1	50.8	49.4
75°	27.2	30.3	34.4	40.4	46.2	51.7	55.7	58.3	60.5	62.3	60.9
72.5°	24.0	27.0	31.8	39.3	47.1	53.8	59.7	64.6	68.6	71.6	69.1
70°	19.6	21.8	26.4	33.3	40.7	48.3	56.6	65.2	74.0	79.7	75.2
67.5°	16.0	17.2	20.7	26.1	32.6	39.9	48.3	58.0	67.5	76.6	74.9
65°	13.7	14.6	17.0	20.7	25.3	30.9	37.4	45.5	55.5	65.8	66.8
62.5°	12.2	12.9	14.5	16.8	19.7	23.4	28.4	35.1	42.9	49.3	52.7
60°	11.9	12.1	13.3	14.6	16.2	18.5	22.7	27.4	32.6	38.1	40.9
57.5°	13.2	13.4	14.2	14.7	15.1	16.8	19.4	22.5	27.2	30.6	32.7
55°	15.9	16.8	17.5	17.5	17.2	17.9	18.5	20.2	23.7	26.9	29.9
52.5°	18.2	20.0	21.7	22.8	22.8	22.1	20.7	21.2	23.1	26.4	29.1
50°	23.7	25.8	26.8	26.9	29.3	29.3	27.6	25.4	28.6	30.1	30.2
47.5°	37.5	39.9	37.6	36.9	41.1	40.0	38.3	38.1	41.9	38.8	37.6
45°	70.1	70.0	64.1	65.9	64.7	62.7	55.9	61.7	62.8	59.3	49.0
42.5°	127.4	121.7	114.3	116.4	113.7	104.6	93.1	96.1	94.1	86.6	80.5
40°	207.8	193.5	186.7	184.6	179.7	166.6	155.7	140.1	135.0	123.5	121.6
37.5°	306.6	284.8	278.5	265.9	255.9	253.2	236.2	207.7	182.6	193.4	179.6
35°	428.9	409.1	405.4	373.5	350.5	399.0	353.9	297.4	284.4	311.1	265.6
32.5°	625.8	712.5	634.8	566.2	644.2	655.2	571.3	436.6	503.0	501.7	419.1
30°	1335.5	1352.1	1248.8	1058.5	1172.6	1145.5	901.7	869.3	850.4	761.0	622.2
27.5°	2579.9	2311.8	2159.5	2056.7	1892.9	1804.1	1608.6	1406.6	1293.5	1130.0	911.6
25°	4099.5	3723.3	3385.7	3171.8	2890.2	2604.8	2373.6	2088.5	1843.8	1581.6	1275.3
22.5°	5739.2	5295.3	4830.5	4398.7	4006.3	3609.0	3200.7	2793.7	2446.9	2106.0	1716.2
20°	7483.0	6933.3	6311.7	5773.0	5234.4	4672.5	4107.3	3616.1	3166.2	2684.3	2190.8
17.5°	9536.9	8725.0	7955.3	7257.3	6536.7	5819.1	5228.2	4610.3	3955.0	3293.2	2683.7
15°	11753.3	10768.5	9816.1	8873.5	7972.1	7189.0	6449.0	5663.0	4817.5	3968.6	3243.9
12.5°	14098.6	12861.2	11675.9	10582.9	9584.9	8630.7	7709.5	6764.7	5739.5	4732.8	3900.7
10°	16382.1	14932.9	13606.9	12348.3	11178.8	10071.6	8920.4	7777.2	6617.5	5486.3	4534.9
7.5°	18492.5	16922.5	15436.6	13942.6	12508.6	11231.2	9981.4	8725.9	7457.4	6199.8	5142.0
5°	20250.6	18473.0	16768.0	15119.5	13576.7	12282.6	10978.7	9623.9	8248.4	6868.0	5716.4
2.5°	21438.6	19626.1	17889.6	16150.1	14458.5	13127.8	11756.4	10306.0	8800.7	7309.0	6089.4
0°	22297.0	20298.1	18475.3	16686.0	14870.8	13585.0	12231.2	10780.1	9196.1	7657.5	6421.4
-2.5°	22302.7	20280.5	18457.4	16565.9	14782.7	13387.9	12067.0	10661.9	9197.6	7719.7	6497.1
-5°	21993.1	19999.5	18178.5	16332.4	14548.2	13136.5	11841.5	10498.6	9131.4	7726.6	6527.6
-7.5°	21520.8	19580.1	17757.0	15921.1	14190.8	12814.2	11564.3	10305.8	9011.2	7685.8	6516.8
-10°	20870.9	19026.9	17269.5	15447.6	13783.4	12421.5	11236.6	10066.9	8840.5	7590.2	6464.6
-12.5°	20028.9	18268.3	16634.4	14890.3	13315.7	12051.0	10896.6	9784.6	8629.2	7441.6	6373.1
-15°	18891.0	17361.6	15832.3	14251.6	12800.2	11614.3	10507.2	9423.2	8283.2	7186.7	6244.3
-17.5°	17669.7	16330.7	14964.8	13451.3	12146.3	11105.6	10056.6	8971.0	7844.8	6769.4	5904.8
-20°	16230.8	15009.1	13856.9	12545.9	11297.5	10297.4	9434.2	8445.7	7318.4	6317.2	5497.4



REPORT NUMBER: P731447 (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°	14531.1	13485.4	12427.1	11330.2	10309.1	9382.6	8542.7	7689.7	6701.7	5795.8	5051.2
-25°	12787.1	11869.9	10921.8	10045.9	9197.1	8360.8	7593.7	6810.0	6028.4	5253.5	4576.1
-27.5°	11087.7	10284.9	9493.0	8792.5	8107.5	7376.3	6650.8	5981.2	5377.9	4757.2	4119.5
-30°	9588.2	9067.7	8373.0	7694.1	7228.0	6584.2	5808.7	5330.2	4850.0	4314.4	3747.0
-32.5°	8634.3	8141.4	7531.9	6992.4	6513.2	5929.5	5344.5	4782.1	4396.8	3936.3	3462.1
-35°	7847.0	7392.7	6903.0	6421.4	5928.4	5435.2	4921.2	4450.2	4011.3	3594.9	3193.5
-37.5°	7089.4	6699.5	6290.2	5857.5	5432.3	4985.7	4540.9	4107.6	3677.9	3305.5	2949.7
-40°	6379.3	6044.0	5710.0	5331.6	4947.0	4554.3	4156.9	3755.4	3383.5	3030.8	2712.0
-42.5°	5721.3	5444.5	5154.6	4818.8	4469.9	4125.9	3771.3	3419.6	3087.4	2777.6	2484.6
-45°	5107.0	4865.7	4601.4	4318.2	4008.5	3705.5	3392.3	3094.0	2804.8	2529.0	2254.0
-47.5°	4535.4	4324.3	4086.3	3840.5	3576.1	3305.7	3050.7	2783.5	2532.9	2280.2	2042.6
-50°	4025.1	3846.5	3637.8	3408.2	3194.0	2966.0	2733.1	2492.2	2272.6	2060.0	1842.0
-52.5°	3610.6	3439.3	3253.6	3054.3	2854.5	2649.5	2434.6	2241.9	2046.3	1857.0	1665.0
-55°	3233.6	3080.2	2915.1	2732.2	2539.9	2373.9	2198.3	2019.3	1844.2	1668.1	1510.2
-57.5°	2918.9	2773.2	2618.1	2457.3	2291.1	2133.0	1974.5	1811.6	1659.8	1513.6	1367.0
-60°	2627.4	2490.6	2352.2	2206.4	2053.1	1902.7	1774.8	1639.9	1497.9	1373.6	1248.8
-62.5°	2363.5	2239.4	2110.6	1984.3	1856.3	1729.1	1607.6	1488.7	1368.2	1249.8	1143.4
-65°	2128.8	2023.1	1909.7	1794.7	1681.3	1570.1	1460.1	1352.8	1250.4	1151.0	1047.6
-67.5°	1895.9	1802.8	1704.9	1605.9	1509.3	1415.9	1321.3	1228.0	1134.2	1042.7	946.3
-70°	1651.8	1574.8	1495.3	1414.4	1333.2	1252.7	1169.1	1084.9	1003.3	922.4	837.0
-72.5°	1395.3	1332.0	1266.6	1200.5	1135.6	1070.3	1000.5	927.5	857.0	789.3	719.3
-75°	1130.2	1077.9	1024.7	973.5	922.3	871.6	818.3	760.3	703.6	648.6	592.5
-77.5°	861.2	819.5	778.4	742.4	706.4	670.6	633.0	588.9	545.4	502.6	458.9
-80°	596.0	569.6	543.3	521.1	497.8	473.4	446.9	415.0	383.4	354.1	326.2
-82.5°	364.1	350.8	336.7	323.8	310.0	295.5	280.0	261.6	243.3	225.0	206.6
-85°	182.3	176.1	169.6	164.4	158.6	152.4	145.6	137.4	128.8	119.7	110.1
-87.5°	66.9	64.5	62.0	60.2	58.3	56.4	54.3	51.4	48.4	45.5	42.6
-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: P731447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-7F-CV2

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	8.4	8.1	7.9	7.6	7.3	7.1	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°	10.6	10.9	11.4	11.9	11.2	10.2	9.5	8.9	8.9	8.8	8.5
82.5°	18.1	17.2	16.6	16.3	16.0	15.4	14.4	13.1	11.7	11.0	10.7
80°	31.8	28.4	25.3	22.8	21.3	20.6	19.9	18.4	15.4	13.3	12.2
77.5°	44.2	39.4	35.1	30.8	27.2	24.6	23.2	22.4	18.9	15.5	13.2
75°	55.2	49.1	43.3	37.7	32.5	28.3	25.2	23.1	20.2	17.3	14.1
72.5°	62.5	56.2	50.3	43.9	37.0	31.4	27.0	23.7	20.8	17.8	14.8
70°	68.1	61.9	55.6	48.3	40.9	34.1	28.5	24.6	21.3	18.2	15.2
67.5°	71.8	64.4	58.1	51.9	44.3	36.8	29.8	25.6	22.1	18.6	15.6
65°	64.5	62.0	58.9	52.4	46.1	39.4	31.9	26.8	22.9	19.4	15.9
62.5°	54.9	55.2	53.3	51.2	46.2	40.0	33.9	28.8	23.8	20.0	16.3
60°	42.9	45.5	47.2	46.5	44.3	39.8	34.6	30.6	25.4	20.6	16.9
57.5°	35.6	36.5	39.2	41.2	40.5	38.0	35.0	31.5	26.9	21.7	17.4
55°	30.8	32.4	33.4	34.9	36.4	35.2	34.7	32.0	28.1	22.9	18.2
52.5°	30.6	31.2	31.4	30.9	31.6	32.7	33.2	32.5	28.6	23.9	19.4
50°	31.9	34.7	32.9	30.7	28.2	30.0	31.9	31.7	29.2	24.8	20.7
47.5°	37.7	41.6	39.3	33.0	29.3	27.8	30.3	30.7	29.8	25.3	22.0
45°	53.2	52.6	49.1	41.4	32.1	29.7	28.8	29.9	29.1	26.6	23.3
42.5°	74.3	71.3	63.7	51.5	44.9	33.9	27.7	29.0	28.5	28.2	24.6
40°	111.5	95.8	82.9	75.3	64.2	39.3	31.8	28.4	28.3	29.7	26.1
37.5°	155.0	131.6	109.1	109.6	90.6	61.2	37.0	28.1	29.9	31.0	27.7
35°	218.5	177.2	163.3	156.2	128.5	86.9	43.0	30.2	32.3	32.6	29.4
32.5°	291.5	265.9	256.5	215.3	172.9	116.4	60.8	38.8	35.4	34.7	31.2
30°	463.8	422.9	379.1	283.7	225.8	157.9	89.9	47.5	39.1	37.1	33.0
27.5°	741.5	608.9	529.9	394.8	290.5	205.3	126.5	56.5	43.4	39.9	34.8
25°	1041.1	855.1	710.0	535.2	361.2	278.7	167.5	66.5	50.1	43.3	36.8
22.5°	1379.6	1121.2	909.5	692.5	473.4	363.8	220.2	98.7	57.7	47.1	39.0
20°	1722.7	1391.2	1136.4	886.6	619.7	460.5	286.6	132.7	65.3	51.1	41.3
17.5°	2081.6	1734.5	1446.4	1108.4	783.6	562.4	358.4	168.0	72.7	55.4	43.6
15°	2630.4	2171.4	1779.2	1350.3	946.0	667.9	434.1	203.9	80.0	59.7	48.4
12.5°	3200.8	2616.3	2126.3	1606.4	1105.4	775.4	511.8	239.5	87.1	68.8	56.3
10°	3756.7	3063.3	2481.0	1869.8	1260.0	883.0	589.6	286.5	108.6	81.8	64.4
7.5°	4293.4	3506.0	2835.9	2133.4	1420.4	1024.4	730.6	359.5	132.8	95.1	72.5
5°	4776.0	3894.3	3171.0	2409.9	1639.1	1198.5	881.2	432.2	157.3	108.3	80.6
2.5°	5100.6	4190.5	3479.1	2668.1	1847.8	1366.0	1027.4	502.3	181.7	121.3	88.5
0°	5388.4	4458.1	3762.3	2902.2	2044.3	1525.7	1164.8	567.3	205.3	134.0	96.2
-2.5°	5461.2	4524.3	3849.7	3045.4	2209.7	1671.6	1288.8	667.7	281.8	181.4	126.3
-5°	5495.8	4568.2	3915.0	3165.0	2359.5	1807.6	1398.0	759.4	355.6	227.4	155.5
-7.5°	5503.1	4603.4	3949.8	3251.0	2492.8	1932.9	1490.9	841.1	425.3	271.4	183.6
-10°	5478.0	4617.6	3940.3	3228.6	2501.2	1984.5	1552.9	911.7	489.4	312.6	210.1
-12.5°	5419.4	4599.3	3907.4	3178.9	2471.5	1965.4	1512.8	938.5	544.5	350.5	234.6
-15°	5329.0	4546.3	3851.3	3100.9	2423.0	1933.7	1467.4	942.6	578.2	383.8	256.6
-17.5°	5161.7	4456.9	3772.2	2993.9	2355.2	1888.9	1419.0	941.1	607.0	412.4	277.6
-20°	4806.6	4229.7	3663.5	2857.4	2267.6	1830.6	1369.8	934.6	630.8	437.1	297.2



REPORT NUMBER: P731447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-7F-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4429.6	3908.4	3374.1	2737.4	2175.2	1758.3	1321.7	923.7	649.2	457.8	314.0
-25°	4025.1	3581.9	3069.9	2541.4	2085.7	1683.5	1285.5	909.0	662.1	474.0	327.7
-27.5°	3646.4	3252.8	2783.9	2348.0	1959.0	1617.0	1257.4	918.2	672.8	485.5	338.1
-30°	3285.2	2943.7	2554.9	2169.6	1830.8	1529.1	1227.5	921.9	684.1	495.2	345.2
-32.5°	3024.5	2667.2	2346.9	2023.8	1718.4	1436.2	1169.8	918.7	689.1	502.0	350.6
-35°	2818.3	2462.4	2152.8	1879.7	1610.2	1349.1	1101.4	908.6	687.6	504.1	353.3
-37.5°	2605.1	2286.7	1998.3	1746.2	1498.8	1258.3	1044.1	864.2	679.7	501.3	352.5
-40°	2406.4	2113.8	1854.2	1622.2	1393.0	1164.2	982.4	819.8	670.1	493.7	348.2
-42.5°	2200.5	1945.9	1713.4	1495.7	1287.3	1091.4	918.3	772.5	637.8	483.9	340.3
-45°	2006.4	1776.4	1570.8	1377.2	1182.9	1014.7	863.0	723.7	600.8	470.7	330.7
-47.5°	1809.3	1616.8	1434.6	1256.7	1094.7	938.6	804.8	680.3	561.9	452.6	320.0
-50°	1633.5	1464.6	1304.9	1152.3	1003.1	872.0	746.8	634.9	526.2	420.9	306.0
-52.5°	1483.6	1327.0	1188.4	1052.5	925.8	802.7	694.8	588.2	489.1	391.2	289.0
-55°	1348.6	1204.5	1081.2	964.5	850.4	742.1	641.0	545.5	450.4	361.5	269.4
-57.5°	1232.6	1093.9	987.3	882.5	781.8	683.3	590.0	501.2	414.1	330.3	251.6
-60°	1123.7	1005.9	899.1	808.2	716.9	626.5	540.2	457.1	377.5	298.9	229.2
-62.5°	1033.2	920.9	821.9	737.5	654.6	572.3	489.7	414.6	339.4	269.6	204.6
-65°	943.3	842.1	746.1	671.2	594.7	516.9	441.6	370.7	302.6	238.7	180.5
-67.5°	851.3	760.9	677.7	605.6	532.0	460.3	391.6	326.5	264.8	206.5	159.2
-70°	753.9	676.6	602.4	532.5	465.7	401.1	339.2	280.9	225.4	178.9	136.9
-72.5°	647.9	580.2	516.5	455.8	395.3	338.2	284.5	234.9	190.6	150.2	113.7
-75°	534.2	477.6	423.9	372.1	321.2	273.4	231.4	192.2	154.7	120.4	92.6
-77.5°	412.4	368.2	326.4	287.6	248.6	212.4	179.1	148.3	119.3	94.5	71.9
-80°	295.0	264.4	234.6	205.4	176.6	150.1	129.2	109.0	87.7	68.3	50.8
-82.5°	184.6	166.0	148.9	132.3	115.8	100.1	85.1	70.7	55.5	41.7	33.6
-85°	99.3	88.9	78.8	69.1	59.1	49.6	44.9	40.4	34.7	29.5	24.7
-87.5°	40.5	38.3	36.2	34.0	31.4	28.9	26.4	24.0	21.1	18.3	15.8
-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	5.0	4.3
77.5°	12.1	11.0	9.4	7.6	6.1	5.1	4.3
75°	12.3	11.1	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°	12.6	11.1	10.0	9.3	7.2	5.6	4.3
67.5°	13.0	11.1	9.9	9.2	7.5	5.7	4.3
65°	13.4	11.3	9.8	9.0	7.9	5.9	4.3
62.5°	13.8	11.7	9.7	8.9	8.2	6.0	4.3
60°	14.2	12.0	9.6	8.8	8.5	6.2	4.3
57.5°	14.9	12.4	9.9	8.6	8.4	6.3	4.3
55°	15.6	12.7	10.2	8.4	8.4	6.4	4.3
52.5°	16.3	13.1	10.4	8.3	8.3	6.6	4.3
50°	17.0	13.7	10.7	8.1	8.3	6.7	4.3
47.5°	17.7	14.3	10.9	8.0	8.3	6.8	4.3
45°	18.8	14.9	11.2	8.1	8.3	6.9	4.3
42.5°	19.9	15.4	11.4	8.3	8.3	7.0	4.3
40°	21.0	16.0	11.7	8.6	8.3	7.1	4.3
37.5°	22.1	16.6	12.1	9.1	8.3	7.2	4.3
35°	23.1	17.3	12.6	9.5	8.4	7.2	4.3
32.5°	24.2	18.1	12.9	10.0	8.4	7.3	4.3
30°	25.6	18.8	13.3	10.5	8.5	7.4	4.3
27.5°	27.0	19.6	14.4	11.0	8.6	7.4	4.3
25°	28.4	20.2	15.6	11.5	8.7	7.5	4.3
22.5°	29.8	21.4	16.8	12.0	8.8	7.5	4.3
20°	31.2	24.1	18.1	12.5	8.9	7.6	4.3
17.5°	34.8	27.0	19.4	13.1	9.0	7.6	4.3
15°	39.9	29.9	20.7	13.6	9.1	7.6	4.3
12.5°	45.0	32.9	22.0	14.0	9.2	7.6	4.3
10°	50.2	36.0	23.3	14.5	9.3	7.6	4.3
7.5°	55.4	39.0	24.6	15.0	9.4	7.6	4.3
5°	60.5	41.9	25.8	15.4	9.5	7.6	4.3
2.5°	65.5	44.8	27.0	15.8	9.6	7.6	4.3
0°	70.2	47.5	28.1	16.2	9.7	7.6	4.3
-2.5°	88.4	57.7	33.6	18.6	10.4	7.7	4.3
-5°	106.1	67.6	38.9	20.9	11.1	7.9	4.3
-7.5°	123.1	77.0	44.0	23.2	11.8	8.0	4.3
-10°	139.0	86.0	48.8	25.3	12.4	8.1	4.3
-12.5°	153.8	94.3	53.3	27.2	13.0	8.2	4.3
-15°	167.0	101.8	57.4	29.0	13.6	8.3	4.3
-17.5°	178.7	108.5	61.0	30.6	14.1	8.4	4.3
-20°	190.1	114.2	64.1	32.0	14.6	8.4	4.3



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 CATALOG NUMBER: EPH-LS-08-0320N-57-80-7F-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	202.1	118.9	66.7	33.2	15.0	8.5	4.3
-25°	212.2	125.0	68.7	34.1	15.4	8.5	4.3
-27.5°	220.0	130.8	70.0	34.7	15.7	8.6	4.3
-30°	225.5	135.2	70.9	35.0	15.9	8.6	4.3
-32.5°	228.6	138.1	73.1	35.0	16.1	8.6	4.3
-35°	231.0	139.4	74.4	34.7	16.2	8.6	4.3
-37.5°	231.9	139.7	74.8	34.1	16.2	8.5	4.3
-40°	230.4	139.7	74.3	33.2	16.2	8.5	4.3
-42.5°	226.5	138.3	73.7	32.2	16.1	8.4	4.3
-45°	220.2	135.5	72.9	31.7	15.9	8.3	4.3
-47.5°	211.5	131.2	71.5	30.7	15.6	8.3	4.3
-50°	203.4	125.5	69.2	30.4	15.2	8.1	4.3
-52.5°	193.8	118.3	66.2	30.0	14.8	8.0	4.3
-55°	182.2	112.3	62.5	29.4	14.3	7.9	4.3
-57.5°	168.7	105.6	58.1	28.3	13.8	7.7	4.3
-60°	153.9	97.8	53.1	27.0	13.1	7.6	4.3
-62.5°	141.5	89.1	49.6	25.3	12.7	7.4	4.3
-65°	127.7	79.4	45.4	23.3	12.1	7.2	4.3
-67.5°	112.6	70.2	40.8	21.1	11.6	7.0	4.3
-70°	96.4	61.5	35.7	18.5	11.0	6.8	4.3
-72.5°	82.0	52.2	30.2	16.9	10.4	6.6	4.3
-75°	67.0	42.3	24.2	15.5	9.7	6.3	4.3
-77.5°	51.4	31.9	20.9	14.0	9.0	6.1	4.3
-80°	35.1	25.2	18.0	12.4	8.3	5.9	4.3
-82.5°	27.2	20.6	15.1	10.8	7.6	5.6	4.3
-85°	20.4	15.9	12.1	9.1	6.9	5.4	4.3
-87.5°	13.5	11.1	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

