

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: P731351 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731351 (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-40-80-7F-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

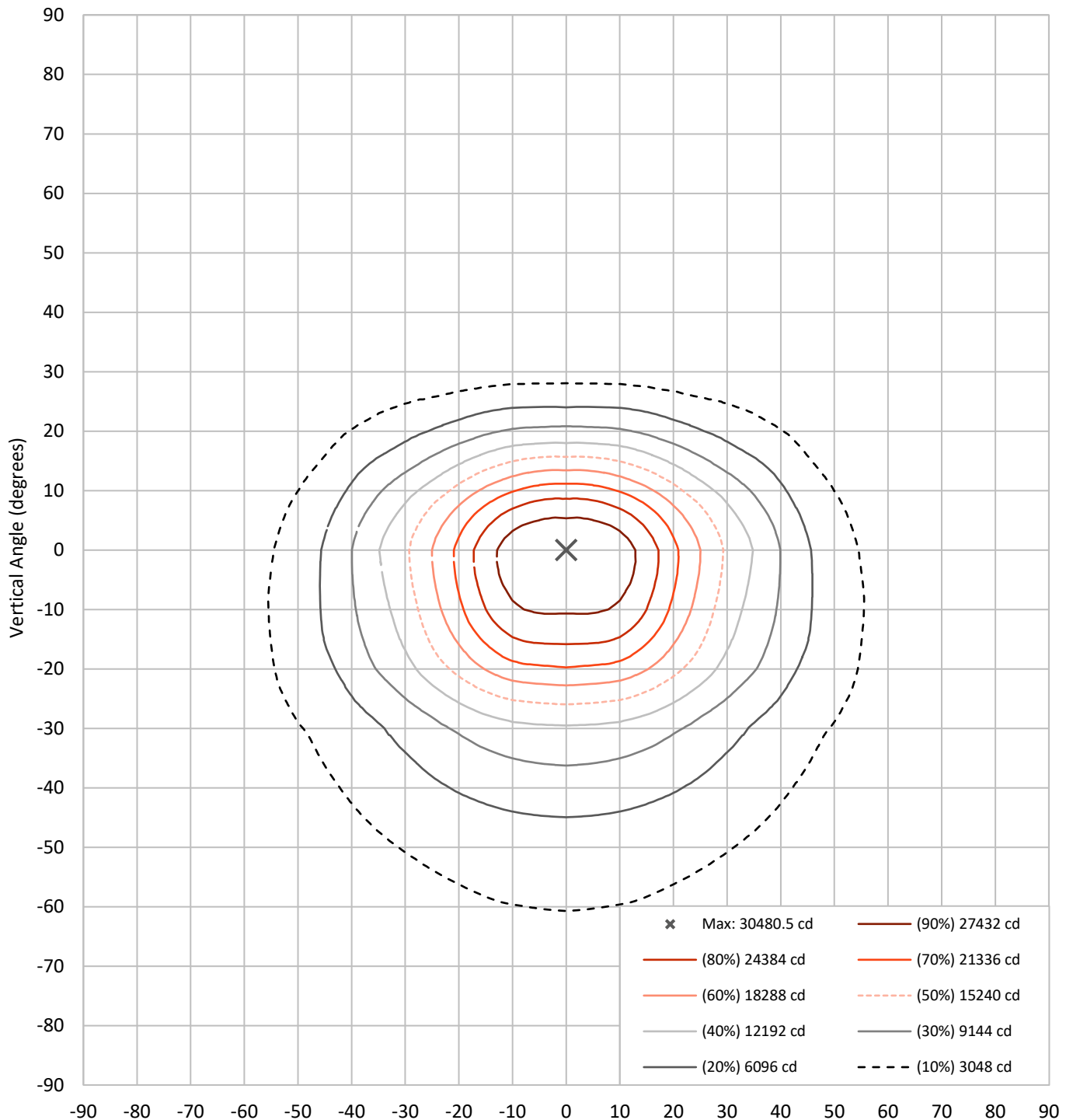
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	26666.8 lumens	Max Intensity:	30480.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	77.1 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:	12927.8 lumens	Field Lumens:	24219.8 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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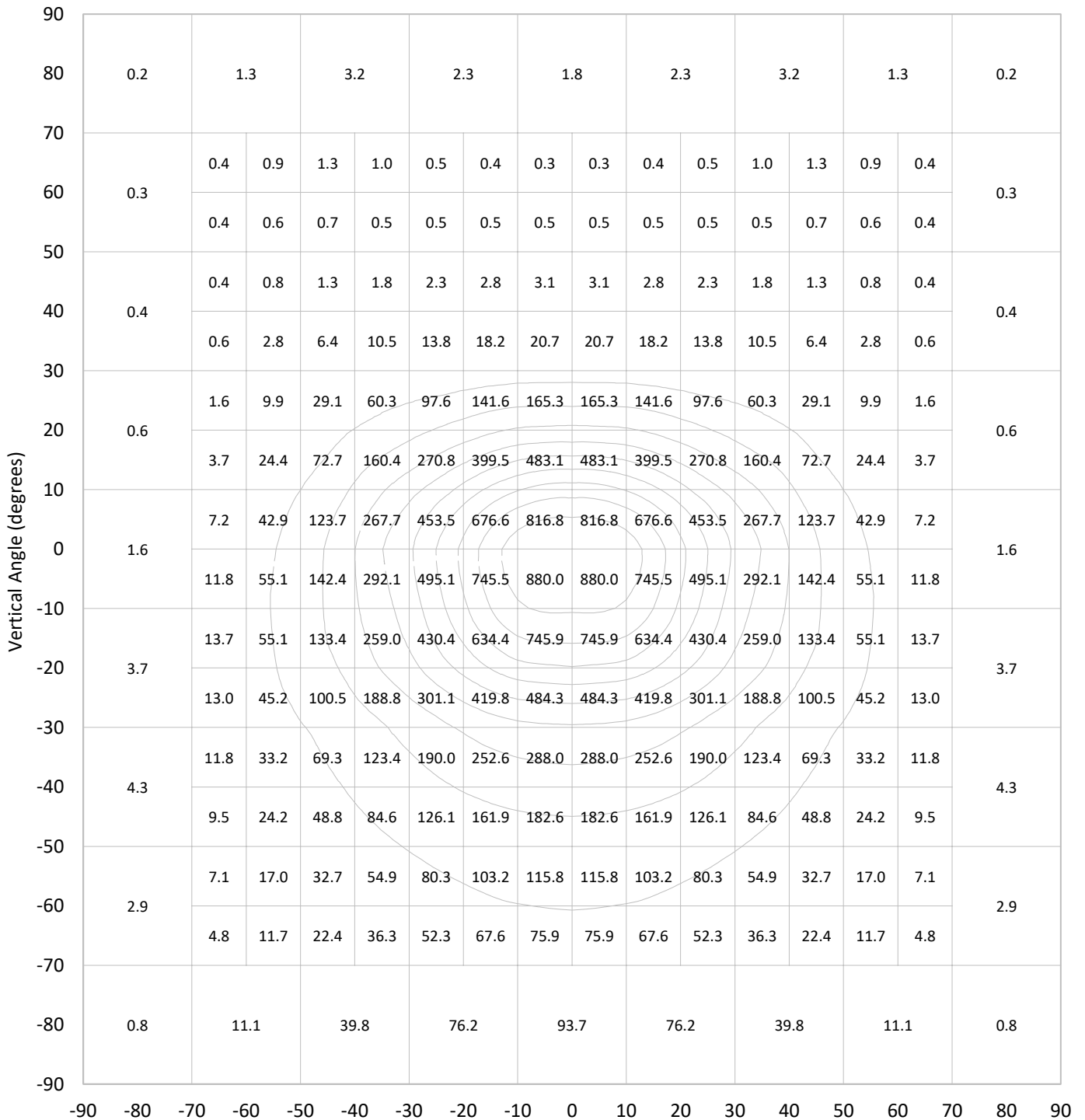
Iso-Candela Plot





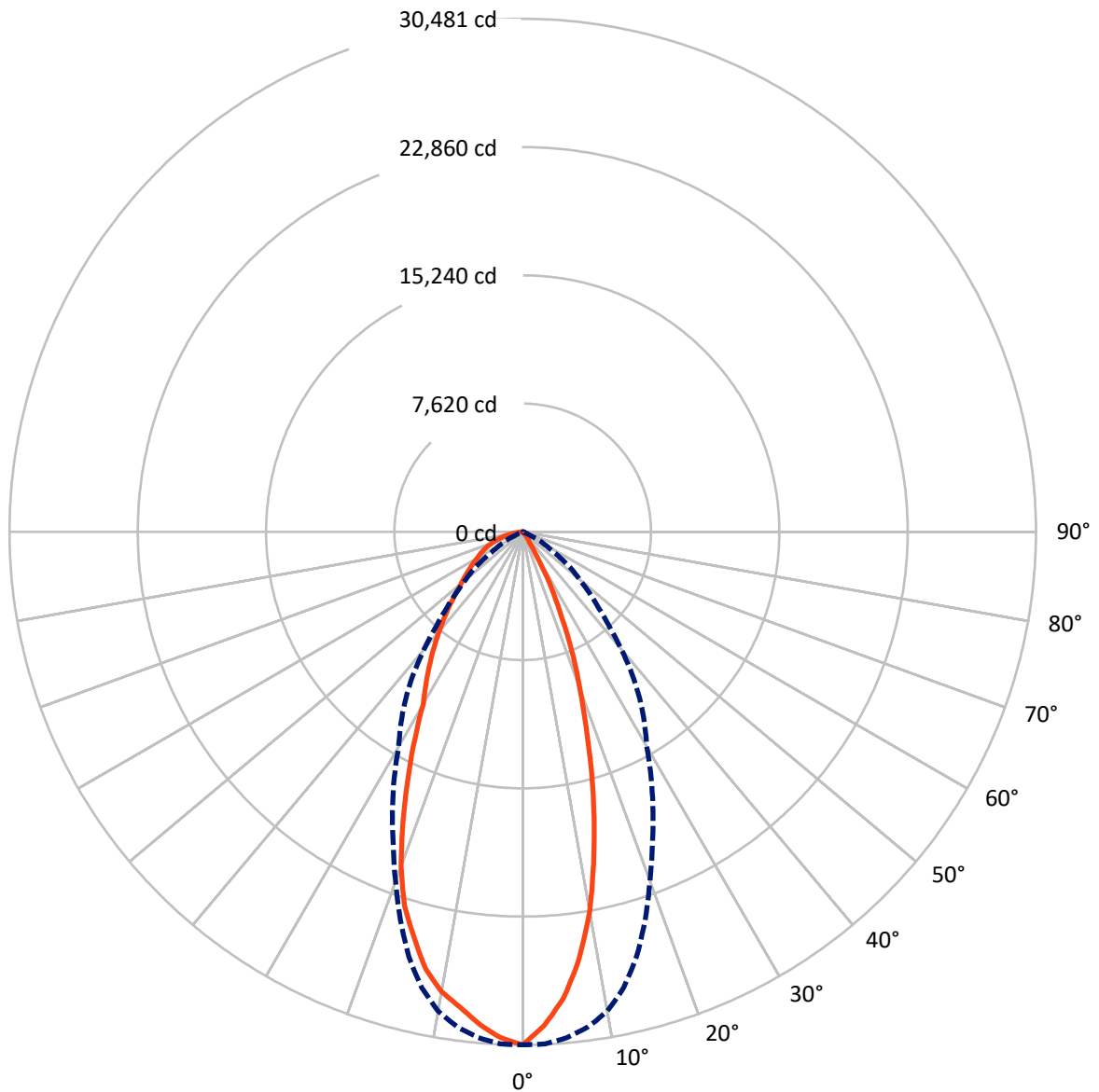
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Lumen Table



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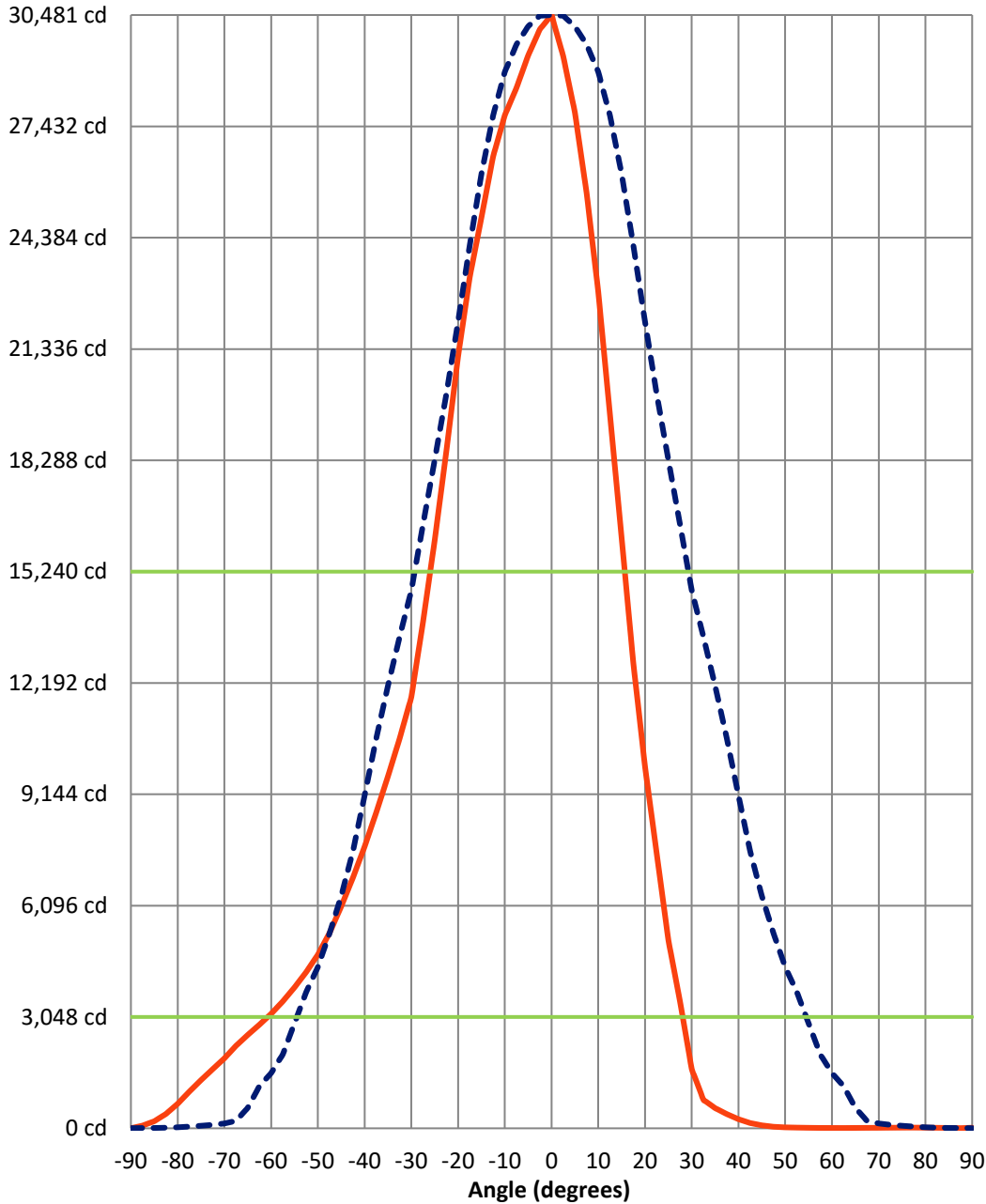
Luminous Intensity Polar Plot



— 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: 12927.8
 Efficiency: 48.5%

Field:
 H Angle: 109°
 V Angle: 88.8°
 Lumens: 24219.8
 Efficiency: 90.8%

Spill:
 Lumens: 2447.1
 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	5.9	6.2	6.4	6.7	7.0	7.2	7.5
87.5°	4.3	4.5	4.7	5.0	5.3	5.7	6.2	6.4	6.5	6.5	6.5
85°	4.3	4.6	5.0	5.6	6.3	7.2	8.2	8.5	8.7	8.8	8.8
82.5°	4.3	4.8	5.4	6.3	7.4	8.6	10.1	10.6	10.9	11.6	13.0
80°	4.3	4.9	5.8	6.9	8.3	10.0	11.8	12.0	13.2	15.2	18.2
77.5°	4.3	5.1	6.1	7.6	9.3	10.9	12.0	13.1	15.3	18.7	22.2
75°	4.3	5.3	6.5	8.2	10.1	11.0	12.1	14.0	17.1	20.0	22.8
72.5°	4.3	5.4	6.9	8.8	10.0	11.0	12.3	14.6	17.6	20.5	23.4
70°	4.3	5.6	7.2	9.2	9.9	11.0	12.4	15.0	18.1	21.0	24.4
67.5°	4.3	5.7	7.5	9.1	9.9	11.0	12.9	15.4	18.5	21.9	25.3
65°	4.3	5.9	7.8	9.0	9.7	11.1	13.3	15.7	19.2	22.7	26.5
62.5°	4.3	6.0	8.2	8.8	9.6	11.5	13.7	16.2	19.8	23.6	28.4
60°	4.3	6.1	8.4	8.7	9.5	11.9	14.1	16.7	20.4	25.1	30.2
57.5°	4.3	6.3	8.4	8.5	9.7	12.2	14.8	17.3	21.5	26.6	31.2
55°	4.3	6.4	8.3	8.4	10.0	12.6	15.4	18.0	22.6	27.8	31.7
52.5°	4.3	6.5	8.3	8.2	10.3	13.0	16.1	19.2	23.6	28.3	32.2
50°	4.3	6.6	8.2	8.0	10.6	13.6	16.8	20.5	24.5	28.9	31.4
47.5°	4.3	6.7	8.2	7.9	10.8	14.2	17.6	21.7	25.0	29.5	30.4
45°	4.3	6.8	8.2	8.0	11.1	14.7	18.7	23.0	26.3	28.8	29.6
42.5°	4.3	6.9	8.2	8.2	11.3	15.3	19.7	24.3	27.9	28.2	28.7
40°	4.3	7.0	8.2	8.5	11.6	15.9	20.8	25.8	29.4	28.0	28.1
37.5°	4.3	7.1	8.3	9.0	12.0	16.4	21.8	27.4	30.6	29.6	27.8
35°	4.3	7.2	8.3	9.4	12.5	17.2	22.8	29.0	32.3	32.0	29.9
32.5°	4.3	7.2	8.4	9.9	12.8	17.9	23.9	30.8	34.3	35.0	38.4
30°	4.3	7.3	8.4	10.4	13.2	18.7	25.3	32.6	36.7	38.7	47.1
27.5°	4.3	7.4	8.5	10.9	14.2	19.4	26.7	34.5	39.5	43.0	56.0
25°	4.3	7.4	8.6	11.4	15.4	20.0	28.1	36.5	42.9	49.6	65.9
22.5°	4.3	7.5	8.7	11.9	16.7	21.2	29.5	38.6	46.7	57.2	97.8
20°	4.3	7.5	8.8	12.4	17.9	23.9	30.8	40.9	50.7	64.7	131.5
17.5°	4.3	7.5	8.9	13.0	19.2	26.7	34.4	43.2	54.9	72.1	166.5
15°	4.3	7.5	9.0	13.5	20.5	29.6	39.5	48.0	59.2	79.3	202.0
12.5°	4.3	7.5	9.1	13.9	21.8	32.6	44.6	55.8	68.2	86.3	237.3
10°	4.3	7.5	9.2	14.4	23.1	35.6	49.8	63.8	81.1	107.5	283.8
7.5°	4.3	7.5	9.3	14.9	24.4	38.6	54.9	71.8	94.2	131.5	356.2
5°	4.3	7.5	9.4	15.3	25.6	41.6	60.0	79.8	107.3	155.8	428.2
2.5°	4.3	7.5	9.5	15.7	26.7	44.4	64.9	87.6	120.2	179.9	497.5
0°	4.3	7.5	9.6	16.1	27.8	47.1	69.6	95.2	132.7	203.3	561.9
-2.5°	4.3	7.6	10.3	18.5	33.2	57.2	87.6	125.0	179.6	279.1	661.3
-5°	4.3	7.8	11.0	20.8	38.5	67.0	105.2	154.0	225.2	352.2	752.1
-7.5°	4.3	7.9	11.6	23.0	43.5	76.3	121.9	181.8	268.8	421.2	833.1
-10°	4.3	8.0	12.3	25.1	48.3	85.2	137.7	208.0	309.7	484.8	903.0
-12.5°	4.3	8.1	12.9	27.0	52.7	93.3	152.3	232.3	347.2	539.4	929.5
-15°	4.3	8.2	13.5	28.8	56.8	100.8	165.4	254.1	380.1	572.7	933.6
-17.5°	4.3	8.3	14.0	30.4	60.4	107.4	176.9	274.9	408.5	601.3	932.1
-20°	4.3	8.3	14.5	31.7	63.5	113.0	188.2	294.4	433.0	624.8	925.7



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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°	4.3	8.4	14.9	32.9	66.0	117.7	200.2	311.0	453.4	643.0	914.9
-25°	4.3	8.4	15.3	33.7	68.0	123.7	210.1	324.5	469.4	655.8	900.4
-27.5°	4.3	8.5	15.6	34.4	69.3	129.5	217.8	334.9	480.9	666.4	909.5
-30°	4.3	8.5	15.8	34.7	70.2	133.9	223.3	341.9	490.5	677.6	913.2
-32.5°	4.3	8.5	16.0	34.7	72.4	136.7	226.4	347.3	497.2	682.5	910.0
-35°	4.3	8.5	16.1	34.4	73.7	138.0	228.8	349.9	499.3	681.0	899.9
-37.5°	4.3	8.5	16.1	33.8	74.1	138.3	229.7	349.1	496.5	673.2	855.9
-40°	4.3	8.4	16.1	32.9	73.6	138.4	228.2	344.8	489.0	663.7	811.9
-42.5°	4.3	8.4	15.9	32.0	73.0	137.0	224.4	337.1	479.2	631.7	765.1
-45°	4.3	8.3	15.7	31.4	72.3	134.2	218.1	327.5	466.2	595.0	716.8
-47.5°	4.3	8.2	15.5	30.4	70.8	129.9	209.5	316.9	448.3	556.5	673.8
-50°	4.3	8.1	15.1	30.1	68.6	124.3	201.5	303.1	417.0	521.2	628.8
-52.5°	4.3	8.0	14.7	29.8	65.6	117.2	192.0	286.2	387.5	484.4	582.6
-55°	4.3	7.8	14.2	29.1	61.9	111.2	180.5	266.8	358.0	446.2	540.3
-57.5°	4.3	7.7	13.7	28.1	57.6	104.6	167.1	249.2	327.2	410.2	496.5
-60°	4.3	7.5	13.0	26.7	52.6	96.9	152.5	227.1	296.0	373.9	452.8
-62.5°	4.3	7.4	12.6	25.1	49.1	88.2	140.1	202.7	267.0	336.2	410.7
-65°	4.3	7.2	12.1	23.1	45.0	78.6	126.4	178.8	236.5	299.7	367.2
-67.5°	4.3	7.0	11.5	20.9	40.4	69.5	111.5	157.7	204.6	262.3	323.4
-70°	4.3	6.8	10.9	18.4	35.4	60.9	95.4	135.6	177.2	223.3	278.2
-72.5°	4.3	6.5	10.3	16.8	29.9	51.7	81.1	112.6	148.7	188.8	232.7
-75°	4.3	6.3	9.7	15.4	24.0	41.9	66.4	91.7	119.3	153.2	190.4
-77.5°	4.3	6.1	9.0	13.9	20.7	31.6	50.9	71.2	93.5	118.2	146.9
-80°	4.3	5.9	8.3	12.3	17.9	25.0	34.8	50.3	67.6	86.9	107.9
-82.5°	4.3	5.6	7.6	10.7	15.0	20.4	27.0	33.3	41.2	55.0	70.0
-85°	4.3	5.4	6.9	9.0	12.0	15.7	20.2	24.5	29.2	34.3	39.9
-87.5°	4.3	5.1	6.1	7.4	9.0	11.0	13.3	15.6	18.1	20.8	23.8
-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: P731351 (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°	7.8	8.1	8.3	8.6	8.9	9.1	9.4	9.6	10.2	10.7	11.3
87.5°	6.9	7.2	7.6	8.0	7.3	6.5	5.7	4.8	5.0	5.3	5.5
85°	9.4	10.1	11.1	11.8	11.3	10.8	10.5	10.3	10.8	11.3	11.7
82.5°	14.3	15.3	15.9	16.1	16.5	17.0	17.9	19.8	21.0	21.7	22.0
80°	19.7	20.4	21.0	22.5	25.0	28.1	31.5	35.4	36.4	36.2	35.5
77.5°	23.0	24.4	26.9	30.6	34.8	39.1	43.8	49.0	50.3	49.7	48.6
75°	25.0	28.0	32.2	37.3	42.8	48.6	54.7	60.3	61.7	59.9	57.7
72.5°	26.7	31.1	36.6	43.4	49.8	55.7	61.9	68.4	70.9	67.9	63.9
70°	28.2	33.7	40.5	47.8	55.0	61.4	67.4	74.5	79.0	73.3	64.6
67.5°	29.5	36.5	43.9	51.4	57.6	63.8	71.2	74.2	75.9	66.8	57.5
65°	31.5	39.0	45.6	51.9	58.4	61.4	63.9	66.1	65.2	54.9	45.0
62.5°	33.5	39.6	45.8	50.8	52.8	54.7	54.4	52.2	48.8	42.5	34.8
60°	34.2	39.4	43.9	46.0	46.8	45.1	42.5	40.5	37.7	32.3	27.1
57.5°	34.7	37.7	40.2	40.8	38.9	36.2	35.2	32.4	30.3	26.9	22.2
55°	34.4	34.9	36.1	34.6	33.1	32.1	30.5	29.6	26.6	23.4	20.0
52.5°	32.9	32.4	31.4	30.7	31.1	30.9	30.3	28.8	26.1	22.9	21.0
50°	31.6	29.8	28.0	30.4	32.6	34.3	31.6	29.9	29.8	28.3	25.2
47.5°	30.0	27.5	29.0	32.7	38.9	41.2	37.3	37.2	38.5	41.5	37.8
45°	28.5	29.5	31.8	41.0	48.6	52.1	52.7	48.5	58.8	62.2	61.1
42.5°	27.5	33.5	44.5	51.0	63.1	70.6	73.6	79.7	85.8	93.2	95.1
40°	31.5	38.9	63.6	74.5	82.1	94.9	110.4	120.5	122.4	133.7	138.8
37.5°	36.7	60.6	89.7	108.5	108.0	130.3	153.5	177.9	191.6	180.8	205.7
35°	42.6	86.1	127.3	154.7	161.6	175.5	216.4	263.0	308.1	281.7	294.6
32.5°	60.3	115.3	171.2	213.2	254.1	263.4	288.8	415.1	496.9	498.2	432.4
30°	89.1	156.4	223.6	281.0	375.5	418.8	459.4	616.3	753.8	842.3	861.1
27.5°	125.3	203.4	287.7	391.0	524.9	603.1	734.4	902.9	1119.2	1281.2	1393.2
25°	165.9	276.0	357.7	530.1	703.3	846.9	1031.2	1263.1	1566.5	1826.2	2068.6
22.5°	218.2	360.3	468.9	685.9	900.9	1110.5	1366.4	1699.9	2085.9	2423.6	2767.1
20°	283.9	456.1	613.8	878.2	1125.7	1377.9	1706.3	2169.9	2658.7	3136.0	3581.7
17.5°	355.1	557.0	776.1	1097.9	1432.7	1717.9	2061.8	2658.1	3261.8	3917.3	4566.4
15°	430.0	661.6	937.0	1337.5	1762.2	2150.7	2605.4	3213.0	3930.8	4771.6	5609.1
12.5°	506.9	768.0	1094.9	1591.1	2106.0	2591.4	3170.3	3863.6	4687.7	5684.8	6700.3
10°	584.0	874.6	1248.0	1852.1	2457.3	3034.1	3721.0	4491.7	5434.0	6554.5	7703.1
7.5°	723.6	1014.6	1406.9	2113.1	2808.8	3472.5	4252.6	5093.0	6140.8	7386.4	8642.8
5°	872.8	1187.1	1623.5	2387.0	3140.7	3857.2	4730.6	5662.0	6802.6	8169.9	9532.2
2.5°	1017.7	1353.0	1830.2	2642.8	3445.9	4150.7	5052.0	6031.4	7239.4	8716.9	10207.9
0°	1153.7	1511.1	2024.8	2874.6	3726.4	4415.7	5337.1	6360.2	7584.5	9108.5	10677.4
-2.5°	1276.6	1655.7	2188.6	3016.4	3813.0	4481.3	5409.2	6435.2	7646.2	9110.0	10560.3
-5°	1384.6	1790.4	2337.1	3134.8	3877.7	4524.8	5443.5	6465.5	7653.0	9044.5	10398.7
-7.5°	1476.7	1914.5	2469.1	3220.0	3912.2	4559.6	5450.8	6454.8	7612.7	8925.4	10207.7
-10°	1538.1	1965.6	2477.4	3197.9	3902.8	4573.6	5425.8	6403.1	7517.9	8756.3	9971.0
-12.5°	1498.4	1946.7	2447.9	3148.6	3870.2	4555.5	5367.7	6312.4	7370.8	8547.0	9691.4
-15°	1453.4	1915.3	2399.9	3071.4	3814.6	4503.1	5278.2	6184.9	7118.3	8204.3	9333.5
-17.5°	1405.4	1870.9	2332.7	2965.4	3736.3	4414.5	5112.5	5848.6	6705.0	7770.1	8885.6
-20°	1356.7	1813.1	2246.0	2830.2	3628.7	4189.5	4760.7	5445.1	6257.1	7248.7	8365.3



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

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1309.1	1741.5	2154.4	2711.4	3342.0	3871.2	4387.4	5003.1	5740.6	6638.0	7616.4
-25°	1273.3	1667.4	2065.8	2517.2	3040.7	3547.8	3986.8	4532.5	5203.4	5971.0	6745.2
-27.5°	1245.5	1601.6	1940.3	2325.6	2757.4	3221.8	3611.6	4080.3	4711.9	5326.7	5924.2
-30°	1215.9	1514.6	1813.3	2148.9	2530.6	2915.7	3253.9	3711.3	4273.3	4803.7	5279.4
-32.5°	1158.7	1422.6	1702.0	2004.5	2324.6	2641.8	2995.7	3429.1	3898.8	4354.9	4736.5
-35°	1091.0	1336.3	1594.8	1861.8	2132.3	2439.0	2791.5	3163.1	3560.6	3973.0	4407.8
-37.5°	1034.2	1246.3	1484.6	1729.6	1979.3	2265.0	2580.4	2921.6	3274.0	3642.9	4068.4
-40°	973.1	1153.2	1379.8	1606.8	1836.6	2093.6	2383.5	2686.2	3002.0	3351.3	3719.7
-42.5°	909.5	1081.0	1275.0	1481.5	1697.1	1927.3	2179.5	2460.9	2751.2	3058.0	3387.1
-45°	854.7	1005.1	1171.6	1364.0	1555.8	1759.4	1987.3	2232.5	2504.9	2778.1	3064.5
-47.5°	797.1	929.6	1084.3	1244.7	1420.9	1601.4	1792.1	2023.1	2258.4	2508.8	2757.0
-50°	739.7	863.7	993.5	1141.4	1292.4	1450.7	1618.0	1824.4	2040.4	2250.9	2468.4
-52.5°	688.2	795.1	917.0	1042.5	1177.1	1314.4	1469.5	1649.2	1839.4	2026.9	2220.6
-55°	634.9	735.0	842.3	955.4	1070.9	1193.0	1335.8	1495.8	1652.2	1826.7	2000.1
-57.5°	584.4	676.8	774.3	874.1	977.9	1083.4	1220.9	1353.9	1499.2	1644.0	1794.4
-60°	535.1	620.6	710.0	800.5	890.5	996.3	1113.0	1236.8	1360.5	1483.6	1624.3
-62.5°	485.1	566.9	648.4	730.4	814.0	912.1	1023.3	1132.5	1237.8	1355.1	1474.5
-65°	437.4	512.0	589.0	664.8	739.0	834.1	934.3	1037.6	1140.0	1238.4	1339.8
-67.5°	387.9	455.9	526.9	599.9	671.2	753.7	843.2	937.2	1032.8	1123.4	1216.3
-70°	335.9	397.2	461.2	527.5	596.6	670.1	746.7	829.0	913.6	993.7	1074.5
-72.5°	281.8	334.9	391.6	451.5	511.6	574.7	641.7	712.5	781.7	848.8	918.7
-75°	229.2	270.8	318.2	368.6	419.9	473.1	529.1	586.8	642.4	696.9	753.1
-77.5°	177.4	210.4	246.3	285.0	323.4	364.7	408.5	454.5	497.8	540.2	583.3
-80°	128.0	148.7	174.9	203.6	232.5	261.9	292.2	323.1	350.7	379.8	411.1
-82.5°	84.3	99.1	114.8	131.1	147.5	164.4	182.8	204.6	222.9	241.0	259.1
-85°	44.5	49.1	58.5	68.4	78.1	88.1	98.4	109.1	118.5	127.5	136.1
-87.5°	26.2	28.6	31.1	33.7	35.9	38.0	40.1	42.2	45.1	48.0	50.9
-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°	11.8	12.3	12.9	13.4	13.9	14.2	14.5	14.7	15.0	15.3	15.6
87.5°	5.8	5.7	5.5	5.4	5.2	6.4	7.7	9.0	10.4	9.5	8.5
85°	11.9	11.9	11.8	11.6	11.4	13.2	15.0	16.9	18.7	17.1	15.4
82.5°	22.0	21.5	20.7	19.7	18.3	18.2	17.8	17.3	16.5	15.7	15.0
80°	34.5	32.9	30.8	28.3	25.4	23.9	22.5	20.8	19.0	18.5	18.0
77.5°	46.6	43.5	39.9	35.9	31.7	29.0	26.6	24.1	21.4	20.7	20.2
75°	55.2	51.3	45.8	40.1	34.0	30.0	27.0	24.0	21.1	20.0	19.4
72.5°	59.1	53.3	46.6	38.9	31.5	26.7	23.7	21.0	18.5	17.4	16.9
70°	56.1	47.9	40.3	33.0	26.1	21.5	19.4	17.5	16.0	15.2	14.8
67.5°	47.8	39.5	32.2	25.8	20.5	17.0	15.9	14.8	13.8	13.3	13.1
65°	37.0	30.6	25.0	20.5	16.9	14.5	13.5	12.6	11.8	11.2	11.0
62.5°	28.1	23.1	19.5	16.6	14.3	12.7	12.0	11.5	11.0	10.6	10.4
60°	22.5	18.3	16.0	14.5	13.2	12.0	11.8	11.7	11.5	11.3	10.9
57.5°	19.2	16.7	15.0	14.6	14.0	13.2	13.0	12.9	12.5	11.8	11.4
55°	18.4	17.7	17.0	17.3	17.3	16.7	15.8	15.1	14.4	13.8	13.9
52.5°	20.5	21.8	22.6	22.5	21.4	19.8	18.0	18.3	18.6	18.9	19.2
50°	27.3	29.0	29.0	26.6	26.5	25.6	23.4	24.4	25.8	26.1	26.3
47.5°	37.9	39.6	40.7	36.5	37.2	39.5	37.1	36.5	41.0	43.0	43.9
45°	55.3	62.1	64.0	65.3	63.5	69.4	69.5	66.7	75.5	80.3	81.9
42.5°	92.2	103.6	112.7	115.3	113.1	120.5	126.1	125.7	136.8	144.6	146.7
40°	154.3	165.1	178.0	182.8	184.9	191.7	205.9	215.0	226.1	238.4	244.6
37.5°	233.9	250.8	253.4	263.4	275.8	282.1	303.7	322.2	337.3	360.3	375.0
35°	350.6	395.2	347.1	369.9	401.5	405.2	424.8	467.4	478.0	518.3	540.5
32.5°	565.9	648.9	638.0	560.8	628.7	705.8	619.9	772.6	758.9	801.9	856.5
30°	893.1	1134.6	1161.4	1048.4	1236.9	1339.2	1322.8	1474.9	1572.4	1560.3	1749.5
27.5°	1593.3	1786.9	1874.9	2037.1	2138.9	2289.7	2555.3	2710.0	2988.3	3134.3	3309.4
25°	2351.1	2580.0	2862.7	3141.6	3353.5	3687.8	4060.5	4353.5	4747.4	4994.5	5174.6
22.5°	3170.2	3574.7	3968.2	4356.7	4784.5	5244.9	5684.6	6192.4	6671.8	7025.6	7293.2
20°	4068.2	4628.0	5184.6	5718.0	6251.7	6867.3	7411.8	8022.0	8610.8	9122.7	9475.3
17.5°	5178.4	5763.7	6474.4	7188.2	7879.6	8642.0	9446.1	10130.4	10956.1	11638.1	12151.0
15°	6387.6	7120.5	7896.2	8789.0	9722.6	10666.0	11641.4	12647.3	13587.3	14459.2	15112.2
12.5°	7636.1	8548.4	9493.6	10482.1	11564.7	12738.7	13964.4	15161.7	16323.9	17282.3	18178.3
10°	8835.4	9975.7	11072.4	12230.7	13477.4	14790.7	16226.0	17652.2	19003.0	20183.5	21147.8
7.5°	9886.3	11124.2	12389.5	13809.8	15289.6	16761.4	18316.4	19916.2	21453.7	22814.4	23941.6
5°	10874.2	12165.7	13447.5	14975.5	16608.3	18297.1	20057.7	21854.9	23514.8	25053.2	26301.5
2.5°	11644.4	13002.8	14320.8	15996.3	17719.2	19439.2	21234.4	23199.3	25050.9	26723.2	27948.1
0°	12114.7	13455.7	14729.2	16527.2	18299.4	20104.8	22084.7	24175.9	26125.8	27727.9	28921.2
-2.5°	11952.1	13260.4	14642.0	16408.1	18281.7	20087.4	22090.3	24200.7	26137.9	27765.9	28931.2
-5°	11728.8	13011.4	14409.7	16176.8	18005.4	19809.1	21783.7	23859.1	25761.7	27363.3	28466.9
-7.5°	11454.2	12692.2	14055.7	15769.5	17587.9	19393.7	21315.9	23279.5	25099.2	26691.2	27729.7
-10°	11129.5	12303.2	13652.1	15300.5	17105.0	18845.7	20672.2	22617.0	24443.2	25891.0	27005.6
-12.5°	10792.8	11936.2	13188.9	14748.4	16475.9	18094.3	19838.2	21711.0	23319.8	24800.4	25780.0
-15°	10407.2	11503.7	12678.3	14115.8	15681.5	17196.3	18711.1	20362.7	21830.7	23147.2	24188.0
-17.5°	9960.9	10999.8	12030.7	13323.2	14822.3	16175.3	17501.5	18939.7	20244.7	21453.4	22354.5
-20°	9344.4	10199.3	11189.8	12426.4	13725.0	14866.2	16076.3	17284.4	18446.2	19469.4	20232.5



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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°	8461.3	9293.2	10210.8	11222.2	12308.7	13356.9	14392.7	15381.2	16326.5	17178.0	17792.1
-25°	7521.4	8281.2	9109.5	9950.2	10817.8	11756.8	12665.3	13481.3	14258.5	14916.4	15422.3
-27.5°	6587.5	7306.0	8030.2	8708.7	9402.6	10187.0	10982.1	11665.2	12323.6	12839.0	13233.3
-30°	5753.3	6521.5	7159.2	7620.8	8293.2	8981.4	9496.8	10118.4	10637.1	10965.9	11389.8
-32.5°	5293.6	5873.1	6451.2	6925.8	7460.1	8063.9	8552.1	9059.8	9497.6	9851.0	10117.5
-35°	4874.3	5383.4	5872.0	6360.3	6837.3	7322.3	7772.3	8200.9	8589.1	8901.7	9148.7
-37.5°	4497.6	4938.3	5380.5	5801.8	6230.3	6635.7	7022.0	7391.7	7718.1	7999.8	8232.6
-40°	4117.3	4510.9	4899.9	5280.8	5655.6	5986.5	6318.6	6624.0	6899.5	7148.8	7352.3
-42.5°	3735.5	4086.7	4427.3	4772.9	5105.5	5392.6	5666.8	5919.3	6155.6	6368.0	6543.6
-45°	3360.0	3670.2	3970.4	4277.2	4557.6	4819.4	5058.4	5271.0	5473.9	5653.0	5800.6
-47.5°	3021.6	3274.2	3542.1	3804.0	4047.4	4283.1	4492.2	4679.4	4857.4	5009.0	5129.4
-50°	2707.1	2937.7	3163.5	3375.7	3603.2	3809.9	3986.8	4159.3	4321.2	4456.5	4558.1
-52.5°	2411.4	2624.2	2827.3	3025.2	3222.6	3406.5	3576.2	3733.9	3875.4	3999.4	4087.4
-55°	2177.3	2351.3	2515.7	2706.2	2887.3	3050.8	3202.8	3355.9	3492.2	3612.7	3686.2
-57.5°	1955.7	2112.7	2269.2	2433.9	2593.2	2746.8	2891.1	3025.2	3150.9	3263.6	3326.9
-60°	1758.0	1884.6	2033.5	2185.4	2329.9	2467.0	2602.4	2728.2	2845.0	2943.1	2999.1
-62.5°	1592.3	1712.6	1838.6	1965.4	2090.4	2218.0	2340.9	2457.8	2568.7	2658.0	2712.4
-65°	1446.2	1555.1	1665.3	1777.6	1891.5	2003.8	2108.5	2211.2	2311.4	2388.0	2437.0
-67.5°	1308.7	1402.4	1494.9	1590.6	1688.7	1785.6	1877.9	1968.9	2058.1	2119.9	2158.3
-70°	1157.9	1240.7	1320.4	1400.9	1481.1	1559.8	1636.1	1712.2	1787.4	1837.0	1869.9
-72.5°	990.9	1060.1	1124.7	1189.1	1254.6	1319.3	1382.1	1443.1	1501.9	1540.3	1568.7
-75°	810.5	863.3	913.5	964.2	1015.0	1067.6	1119.4	1169.1	1216.4	1245.2	1267.3
-77.5°	626.9	664.2	699.7	735.4	771.0	811.8	853.0	893.1	931.6	951.9	967.1
-80°	442.7	468.9	493.1	516.2	538.2	564.2	590.3	615.7	640.0	651.6	660.2
-82.5°	277.4	292.7	307.1	320.7	333.6	347.5	360.7	373.0	384.3	389.9	394.1
-85°	144.3	150.9	157.1	162.8	168.1	174.5	180.5	186.2	191.4	193.0	194.2
-87.5°	53.8	55.8	57.8	59.7	61.5	63.9	66.3	68.6	70.8	71.4	71.9
-90°	3.2	3.2	3.2	3.2	3.2	2.9	2.7	2.4	2.1	2.1	2.1



REPORT NUMBER: P731351 (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°	15.8	16.1	16.1	16.1	16.1	16.1	15.8	15.6	15.3	15.0	14.7
87.5°	7.4	6.4	5.9	5.4	5.9	6.4	7.4	8.5	9.5	10.4	9.0
85°	13.6	11.8	11.2	10.7	11.2	11.8	13.6	15.4	17.1	18.7	16.9
82.5°	14.4	13.9	13.9	13.9	13.9	13.9	14.4	15.0	15.7	16.5	17.3
80°	17.6	17.1	17.1	17.1	17.1	17.1	17.6	18.0	18.5	19.0	20.8
77.5°	19.8	19.3	19.3	19.3	19.3	19.3	19.8	20.2	20.7	21.4	24.1
75°	18.8	18.3	18.2	18.2	18.2	18.3	18.8	19.4	20.0	21.1	24.0
72.5°	16.5	16.2	16.1	16.1	16.1	16.2	16.5	16.9	17.4	18.5	21.0
70°	14.4	14.0	13.9	13.9	13.9	14.0	14.4	14.8	15.2	16.0	17.5
67.5°	12.9	12.8	12.8	12.8	12.8	12.8	12.9	13.1	13.3	13.8	14.8
65°	10.9	10.8	10.7	10.7	10.7	10.8	10.9	11.0	11.2	11.8	12.6
62.5°	10.1	9.7	9.2	8.6	9.2	9.7	10.1	10.4	10.6	11.0	11.5
60°	10.4	9.8	9.6	9.6	9.6	9.8	10.4	10.9	11.3	11.5	11.7
57.5°	11.0	10.7	10.7	10.7	10.7	10.7	11.0	11.4	11.8	12.5	12.9
55°	13.9	13.8	13.9	13.9	13.9	13.8	13.9	13.9	13.8	14.4	15.1
52.5°	19.4	19.2	19.2	19.3	19.2	19.2	19.4	19.2	18.9	18.6	18.3
50°	26.6	26.6	26.3	25.7	26.3	26.6	26.6	26.3	26.1	25.8	24.4
47.5°	44.6	43.9	43.2	42.8	43.2	43.9	44.6	43.9	43.0	41.0	36.5
45°	83.8	83.2	82.0	81.3	82.0	83.2	83.8	81.9	80.3	75.5	66.7
42.5°	150.1	148.9	146.1	144.5	146.1	148.9	150.1	146.7	144.6	136.8	125.7
40°	251.7	253.0	250.8	249.4	250.8	253.0	251.7	244.6	238.4	226.1	215.0
37.5°	386.7	392.4	391.6	389.6	391.6	392.4	386.7	375.0	360.3	337.3	322.2
35°	550.7	557.0	553.8	553.3	553.8	557.0	550.7	540.5	518.3	478.0	467.4
32.5°	815.5	806.3	771.7	781.2	771.7	806.3	815.5	856.5	801.9	758.9	772.6
30°	1762.2	1796.1	1699.6	1622.4	1699.6	1796.1	1762.2	1749.5	1560.3	1572.4	1474.9
27.5°	3326.7	3399.8	3386.2	3465.3	3386.2	3399.8	3326.7	3309.4	3134.3	2988.3	2710.0
25°	5245.2	5293.7	5296.8	5154.1	5296.8	5293.7	5245.2	5174.6	4994.5	4747.4	4353.5
22.5°	7392.3	7439.1	7524.4	7524.6	7524.4	7439.1	7392.3	7293.2	7025.6	6671.8	6192.4
20°	9720.4	9728.9	9891.9	9903.7	9891.9	9728.9	9720.4	9475.3	9122.7	8610.8	8022.0
17.5°	12512.0	12647.8	12868.1	12739.7	12868.1	12647.8	12512.0	12151.0	11638.1	10956.1	10130.4
15°	15730.2	16033.6	16269.1	16163.3	16269.1	16033.6	15730.2	15112.2	14459.2	13587.3	12647.3
12.5°	18890.7	19368.8	19596.5	19540.9	19596.5	19368.8	18890.7	18178.3	17282.3	16323.9	15161.7
10°	21899.1	22572.1	22813.8	22899.1	22813.8	22572.1	21899.1	21147.8	20183.5	19003.0	17652.2
7.5°	24783.1	25399.8	25766.3	25613.2	25766.3	25399.8	24783.1	23941.6	22814.4	21453.7	19916.2
5°	27097.7	27618.6	27914.6	27809.2	27914.6	27618.6	27097.7	26301.5	25053.2	23514.8	21854.9
2.5°	28737.0	29223.4	29480.0	29350.9	29480.0	29223.4	28737.0	27948.1	26723.2	25050.9	23199.3
0°	29673.5	30169.0	30459.6	30480.5	30459.6	30169.0	29673.5	28921.2	27727.9	26125.8	24175.9
-2.5°	29637.0	29987.0	30191.2	30087.2	30191.2	29987.0	29637.0	28931.2	27765.9	26137.9	24200.7
-5°	29016.5	29312.1	29418.2	29372.8	29418.2	29312.1	29016.5	28466.9	27363.3	25761.7	23859.1
-7.5°	28251.1	28469.1	28541.9	28487.8	28541.9	28469.1	28251.1	27729.7	26691.2	25099.2	23279.5
-10°	27510.5	27728.3	27765.3	27734.3	27765.3	27728.3	27510.5	27005.6	25891.0	24443.2	22617.0
-12.5°	26432.4	26668.4	26676.1	26604.2	26676.1	26668.4	26432.4	25780.0	24800.4	23319.8	21711.0
-15°	24750.8	24943.8	24974.9	24934.7	24974.9	24943.8	24750.8	24188.0	23147.2	21830.7	20362.7
-17.5°	22881.7	23009.5	23148.0	23302.6	23148.0	23009.5	22881.7	22354.5	21453.4	20244.7	18939.7
-20°	20637.5	20790.4	20953.8	21126.9	20953.8	20790.4	20637.5	20232.5	19469.4	18446.2	17284.4



REPORT NUMBER: P731351 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-7F-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18115.4	18287.2	18454.8	18542.3	18454.8	18287.2	18115.4	17792.1	17178.0	16326.5	15381.2
-25°	15675.6	15884.9	16017.2	16096.9	16017.2	15884.9	15675.6	15422.3	14916.4	14258.5	13481.3
-27.5°	13439.0	13687.1	13809.2	13861.3	13809.2	13687.1	13439.0	13233.3	12839.0	12323.6	11665.2
-30°	11555.3	11707.5	11728.6	11807.6	11728.6	11707.5	11555.3	11389.8	10965.9	10637.1	10118.4
-32.5°	10313.4	10482.5	10585.3	10672.1	10585.3	10482.5	10313.4	10117.5	9851.0	9497.6	9059.8
-35°	9340.4	9493.6	9594.5	9636.1	9594.5	9493.6	9340.4	9148.7	8901.7	8589.1	8200.9
-37.5°	8407.8	8523.6	8594.1	8650.5	8594.1	8523.6	8407.8	8232.6	7999.8	7718.1	7391.7
-40°	7508.6	7623.4	7693.2	7711.9	7693.2	7623.4	7508.6	7352.3	7148.8	6899.5	6624.0
-42.5°	6669.3	6757.8	6818.5	6860.0	6818.5	6757.8	6669.3	6543.6	6368.0	6155.6	5919.3
-45°	5909.4	5987.3	6041.4	6074.5	6041.4	5987.3	5909.4	5800.6	5653.0	5473.9	5271.0
-47.5°	5218.1	5280.8	5323.9	5348.9	5323.9	5280.8	5218.1	5129.4	5009.0	4857.4	4679.4
-50°	4633.9	4689.9	4729.7	4753.8	4729.7	4689.9	4633.9	4558.1	4456.5	4321.2	4159.3
-52.5°	4156.2	4210.7	4250.7	4276.5	4250.7	4210.7	4156.2	4087.4	3999.4	3875.4	3733.9
-55°	3747.3	3797.3	3833.6	3857.0	3833.6	3797.3	3747.3	3686.2	3612.7	3492.2	3355.9
-57.5°	3380.7	3424.9	3455.6	3475.0	3455.6	3424.9	3380.7	3326.9	3263.6	3150.9	3025.2
-60°	3046.9	3086.7	3114.9	3134.6	3114.9	3086.7	3046.9	2999.1	2943.1	2845.0	2728.2
-62.5°	2760.6	2802.5	2824.9	2837.1	2824.9	2802.5	2760.6	2712.4	2658.0	2568.7	2457.8
-65°	2482.0	2522.4	2544.2	2556.7	2544.2	2522.4	2482.0	2437.0	2388.0	2311.4	2211.2
-67.5°	2192.2	2221.3	2243.5	2260.3	2243.5	2221.3	2192.2	2158.3	2119.9	2058.1	1968.9
-70°	1898.1	1921.6	1922.4	1915.7	1922.4	1921.6	1898.1	1869.9	1837.0	1787.4	1712.2
-72.5°	1593.3	1614.0	1619.3	1619.2	1619.3	1614.0	1593.3	1568.7	1540.3	1501.9	1443.1
-75°	1286.3	1302.1	1312.7	1319.6	1312.7	1302.1	1286.3	1267.3	1245.2	1216.4	1169.1
-77.5°	979.5	989.0	997.9	1003.9	997.9	989.0	979.5	967.1	951.9	931.6	893.1
-80°	666.7	671.1	672.1	671.0	672.1	671.1	666.7	660.2	651.6	640.0	615.7
-82.5°	397.1	399.0	397.0	393.8	397.0	399.0	397.1	394.1	389.9	384.3	373.0
-85°	194.8	194.9	194.5	193.7	194.5	194.9	194.8	194.2	193.0	191.4	186.2
-87.5°	72.3	72.6	73.8	74.9	73.8	72.6	72.3	71.9	71.4	70.8	68.6
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.4



REPORT NUMBER: P731351 (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°	14.5	14.2	13.9	13.4	12.9	12.3	11.8	11.3	10.7	10.2	9.6
87.5°	7.7	6.4	5.2	5.4	5.5	5.7	5.8	5.5	5.3	5.0	4.8
85°	15.0	13.2	11.4	11.6	11.8	11.9	11.9	11.7	11.3	10.8	10.3
82.5°	17.8	18.2	18.3	19.7	20.7	21.5	22.0	22.0	21.7	21.0	19.8
80°	22.5	23.9	25.4	28.3	30.8	32.9	34.5	35.5	36.2	36.4	35.4
77.5°	26.6	29.0	31.7	35.9	39.9	43.5	46.6	48.6	49.7	50.3	49.0
75°	27.0	30.0	34.0	40.1	45.8	51.3	55.2	57.7	59.9	61.7	60.3
72.5°	23.7	26.7	31.5	38.9	46.6	53.3	59.1	63.9	67.9	70.9	68.4
70°	19.4	21.5	26.1	33.0	40.3	47.9	56.1	64.6	73.3	79.0	74.5
67.5°	15.9	17.0	20.5	25.8	32.2	39.5	47.8	57.5	66.8	75.9	74.2
65°	13.5	14.5	16.9	20.5	25.0	30.6	37.0	45.0	54.9	65.2	66.1
62.5°	12.0	12.7	14.3	16.6	19.5	23.1	28.1	34.8	42.5	48.8	52.2
60°	11.8	12.0	13.2	14.5	16.0	18.3	22.5	27.1	32.3	37.7	40.5
57.5°	13.0	13.2	14.0	14.6	15.0	16.7	19.2	22.2	26.9	30.3	32.4
55°	15.8	16.7	17.3	17.3	17.0	17.7	18.4	20.0	23.4	26.6	29.6
52.5°	18.0	19.8	21.4	22.5	22.6	21.8	20.5	21.0	22.9	26.1	28.8
50°	23.4	25.6	26.5	26.6	29.0	29.0	27.3	25.2	28.3	29.8	29.9
47.5°	37.1	39.5	37.2	36.5	40.7	39.6	37.9	37.8	41.5	38.5	37.2
45°	69.5	69.4	63.5	65.3	64.0	62.1	55.3	61.1	62.2	58.8	48.5
42.5°	126.1	120.5	113.1	115.3	112.7	103.6	92.2	95.1	93.2	85.8	79.7
40°	205.9	191.7	184.9	182.8	178.0	165.1	154.3	138.8	133.7	122.4	120.5
37.5°	303.7	282.1	275.8	263.4	253.4	250.8	233.9	205.7	180.8	191.6	177.9
35°	424.8	405.2	401.5	369.9	347.1	395.2	350.6	294.6	281.7	308.1	263.0
32.5°	619.9	705.8	628.7	560.8	638.0	648.9	565.9	432.4	498.2	496.9	415.1
30°	1322.8	1339.2	1236.9	1048.4	1161.4	1134.6	893.1	861.1	842.3	753.8	616.3
27.5°	2555.3	2289.7	2138.9	2037.1	1874.9	1786.9	1593.3	1393.2	1281.2	1119.2	902.9
25°	4060.5	3687.8	3353.5	3141.6	2862.7	2580.0	2351.1	2068.6	1826.2	1566.5	1263.1
22.5°	5684.6	5244.9	4784.5	4356.7	3968.2	3574.7	3170.2	2767.1	2423.6	2085.9	1699.9
20°	7411.8	6867.3	6251.7	5718.0	5184.6	4628.0	4068.2	3581.7	3136.0	2658.7	2169.9
17.5°	9446.1	8642.0	7879.6	7188.2	6474.4	5763.7	5178.4	4566.4	3917.3	3261.8	2658.1
15°	11641.4	10666.0	9722.6	8789.0	7896.2	7120.5	6387.6	5609.1	4771.6	3930.8	3213.0
12.5°	13964.4	12738.7	11564.7	10482.1	9493.6	8548.4	7636.1	6700.3	5684.8	4687.7	3863.6
10°	16226.0	14790.7	13477.4	12230.7	11072.4	9975.7	8835.4	7703.1	6554.5	5434.0	4491.7
7.5°	18316.4	16761.4	15289.6	13809.8	12389.5	11124.2	9886.3	8642.8	7386.4	6140.8	5093.0
5°	20057.7	18297.1	16608.3	14975.5	13447.5	12165.7	10874.2	9532.2	8169.9	6802.6	5662.0
2.5°	21234.4	19439.2	17719.2	15996.3	14320.8	13002.8	11644.4	10207.9	8716.9	7239.4	6031.4
0°	22084.7	20104.8	18299.4	16527.2	14729.2	13455.7	12114.7	10677.4	9108.5	7584.5	6360.2
-2.5°	22090.3	20087.4	18281.7	16408.1	14642.0	13260.4	11952.1	10560.3	9110.0	7646.2	6435.2
-5°	21783.7	19809.1	18005.4	16176.8	14409.7	13011.4	11728.8	10398.7	9044.5	7653.0	6465.5
-7.5°	21315.9	19393.7	17587.9	15769.5	14055.7	12692.2	11454.2	10207.7	8925.4	7612.7	6454.8
-10°	20672.2	18845.7	17105.0	15300.5	13652.1	12303.2	11129.5	9971.0	8756.3	7517.9	6403.1
-12.5°	19838.2	18094.3	16475.9	14748.4	13188.9	11936.2	10792.8	9691.4	8547.0	7370.8	6312.4
-15°	18711.1	17196.3	15681.5	14115.8	12678.3	11503.7	10407.2	9333.5	8204.3	7118.3	6184.9
-17.5°	17501.5	16175.3	14822.3	13323.2	12030.7	10999.8	9960.9	8885.6	7770.1	6705.0	5848.6
-20°	16076.3	14866.2	13725.0	12426.4	11189.8	10199.3	9344.4	8365.3	7248.7	6257.1	5445.1



REPORT NUMBER: P731351 (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°	14392.7	13356.9	12308.7	11222.2	10210.8	9293.2	8461.3	7616.4	6638.0	5740.6	5003.1
-25°	12665.3	11756.8	10817.8	9950.2	9109.5	8281.2	7521.4	6745.2	5971.0	5203.4	4532.5
-27.5°	10982.1	10187.0	9402.6	8708.7	8030.2	7306.0	6587.5	5924.2	5326.7	4711.9	4080.3
-30°	9496.8	8981.4	8293.2	7620.8	7159.2	6521.5	5753.3	5279.4	4803.7	4273.3	3711.3
-32.5°	8552.1	8063.9	7460.1	6925.8	6451.2	5873.1	5293.6	4736.5	4354.9	3898.8	3429.1
-35°	7772.3	7322.3	6837.3	6360.3	5872.0	5383.4	4874.3	4407.8	3973.0	3560.6	3163.1
-37.5°	7022.0	6635.7	6230.3	5801.8	5380.5	4938.3	4497.6	4068.4	3642.9	3274.0	2921.6
-40°	6318.6	5986.5	5655.6	5280.8	4899.9	4510.9	4117.3	3719.7	3351.3	3002.0	2686.2
-42.5°	5666.8	5392.6	5105.5	4772.9	4427.3	4086.7	3735.5	3387.1	3058.0	2751.2	2460.9
-45°	5058.4	4819.4	4557.6	4277.2	3970.4	3670.2	3360.0	3064.5	2778.1	2504.9	2232.5
-47.5°	4492.2	4283.1	4047.4	3804.0	3542.1	3274.2	3021.6	2757.0	2508.8	2258.4	2023.1
-50°	3986.8	3809.9	3603.2	3375.7	3163.5	2937.7	2707.1	2468.4	2250.9	2040.4	1824.4
-52.5°	3576.2	3406.5	3222.6	3025.2	2827.3	2624.2	2411.4	2220.6	2026.9	1839.4	1649.2
-55°	3202.8	3050.8	2887.3	2706.2	2515.7	2351.3	2177.3	2000.1	1826.7	1652.2	1495.8
-57.5°	2891.1	2746.8	2593.2	2433.9	2269.2	2112.7	1955.7	1794.4	1644.0	1499.2	1353.9
-60°	2602.4	2467.0	2329.9	2185.4	2033.5	1884.6	1758.0	1624.3	1483.6	1360.5	1236.8
-62.5°	2340.9	2218.0	2090.4	1965.4	1838.6	1712.6	1592.3	1474.5	1355.1	1237.8	1132.5
-65°	2108.5	2003.8	1891.5	1777.6	1665.3	1555.1	1446.2	1339.8	1238.4	1140.0	1037.6
-67.5°	1877.9	1785.6	1688.7	1590.6	1494.9	1402.4	1308.7	1216.3	1123.4	1032.8	937.2
-70°	1636.1	1559.8	1481.1	1400.9	1320.4	1240.7	1157.9	1074.5	993.7	913.6	829.0
-72.5°	1382.1	1319.3	1254.6	1189.1	1124.7	1060.1	990.9	918.7	848.8	781.7	712.5
-75°	1119.4	1067.6	1015.0	964.2	913.5	863.3	810.5	753.1	696.9	642.4	586.8
-77.5°	853.0	811.8	771.0	735.4	699.7	664.2	626.9	583.3	540.2	497.8	454.5
-80°	590.3	564.2	538.2	516.2	493.1	468.9	442.7	411.1	379.8	350.7	323.1
-82.5°	360.7	347.5	333.6	320.7	307.1	292.7	277.4	259.1	241.0	222.9	204.6
-85°	180.5	174.5	168.1	162.8	157.1	150.9	144.3	136.1	127.5	118.5	109.1
-87.5°	66.3	63.9	61.5	59.7	57.8	55.8	53.8	50.9	48.0	45.1	42.2
-90°	2.7	2.9	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2



REPORT NUMBER: P731351 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-7F-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	9.4	9.1	8.9	8.6	8.3	8.1	7.8	7.5	7.2	7.0	6.7
87.5°	5.7	6.5	7.3	8.0	7.6	7.2	6.9	6.5	6.5	6.5	6.4
85°	10.5	10.8	11.3	11.8	11.1	10.1	9.4	8.8	8.8	8.7	8.5
82.5°	17.9	17.0	16.5	16.1	15.9	15.3	14.3	13.0	11.6	10.9	10.6
80°	31.5	28.1	25.0	22.5	21.0	20.4	19.7	18.2	15.2	13.2	12.0
77.5°	43.8	39.1	34.8	30.6	26.9	24.4	23.0	22.2	18.7	15.3	13.1
75°	54.7	48.6	42.8	37.3	32.2	28.0	25.0	22.8	20.0	17.1	14.0
72.5°	61.9	55.7	49.8	43.4	36.6	31.1	26.7	23.4	20.5	17.6	14.6
70°	67.4	61.4	55.0	47.8	40.5	33.7	28.2	24.4	21.0	18.1	15.0
67.5°	71.2	63.8	57.6	51.4	43.9	36.5	29.5	25.3	21.9	18.5	15.4
65°	63.9	61.4	58.4	51.9	45.6	39.0	31.5	26.5	22.7	19.2	15.7
62.5°	54.4	54.7	52.8	50.8	45.8	39.6	33.5	28.4	23.6	19.8	16.2
60°	42.5	45.1	46.8	46.0	43.9	39.4	34.2	30.2	25.1	20.4	16.7
57.5°	35.2	36.2	38.9	40.8	40.2	37.7	34.7	31.2	26.6	21.5	17.3
55°	30.5	32.1	33.1	34.6	36.1	34.9	34.4	31.7	27.8	22.6	18.0
52.5°	30.3	30.9	31.1	30.7	31.4	32.4	32.9	32.2	28.3	23.6	19.2
50°	31.6	34.3	32.6	30.4	28.0	29.8	31.6	31.4	28.9	24.5	20.5
47.5°	37.3	41.2	38.9	32.7	29.0	27.5	30.0	30.4	29.5	25.0	21.7
45°	52.7	52.1	48.6	41.0	31.8	29.5	28.5	29.6	28.8	26.3	23.0
42.5°	73.6	70.6	63.1	51.0	44.5	33.5	27.5	28.7	28.2	27.9	24.3
40°	110.4	94.9	82.1	74.5	63.6	38.9	31.5	28.1	28.0	29.4	25.8
37.5°	153.5	130.3	108.0	108.5	89.7	60.6	36.7	27.8	29.6	30.6	27.4
35°	216.4	175.5	161.6	154.7	127.3	86.1	42.6	29.9	32.0	32.3	29.0
32.5°	288.8	263.4	254.1	213.2	171.2	115.3	60.3	38.4	35.0	34.3	30.8
30°	459.4	418.8	375.5	281.0	223.6	156.4	89.1	47.1	38.7	36.7	32.6
27.5°	734.4	603.1	524.9	391.0	287.7	203.4	125.3	56.0	43.0	39.5	34.5
25°	1031.2	846.9	703.3	530.1	357.7	276.0	165.9	65.9	49.6	42.9	36.5
22.5°	1366.4	1110.5	900.9	685.9	468.9	360.3	218.2	97.8	57.2	46.7	38.6
20°	1706.3	1377.9	1125.7	878.2	613.8	456.1	283.9	131.5	64.7	50.7	40.9
17.5°	2061.8	1717.9	1432.7	1097.9	776.1	557.0	355.1	166.5	72.1	54.9	43.2
15°	2605.4	2150.7	1762.2	1337.5	937.0	661.6	430.0	202.0	79.3	59.2	48.0
12.5°	3170.3	2591.4	2106.0	1591.1	1094.9	768.0	506.9	237.3	86.3	68.2	55.8
10°	3721.0	3034.1	2457.3	1852.1	1248.0	874.6	584.0	283.8	107.5	81.1	63.8
7.5°	4252.6	3472.5	2808.8	2113.1	1406.9	1014.6	723.6	356.2	131.5	94.2	71.8
5°	4730.6	3857.2	3140.7	2387.0	1623.5	1187.1	872.8	428.2	155.8	107.3	79.8
2.5°	5052.0	4150.7	3445.9	2642.8	1830.2	1353.0	1017.7	497.5	179.9	120.2	87.6
0°	5337.1	4415.7	3726.4	2874.6	2024.8	1511.1	1153.7	561.9	203.3	132.7	95.2
-2.5°	5409.2	4481.3	3813.0	3016.4	2188.6	1655.7	1276.6	661.3	279.1	179.6	125.0
-5°	5443.5	4524.8	3877.7	3134.8	2337.1	1790.4	1384.6	752.1	352.2	225.2	154.0
-7.5°	5450.8	4559.6	3912.2	3220.0	2469.1	1914.5	1476.7	833.1	421.2	268.8	181.8
-10°	5425.8	4573.6	3902.8	3197.9	2477.4	1965.6	1538.1	903.0	484.8	309.7	208.0
-12.5°	5367.7	4555.5	3870.2	3148.6	2447.9	1946.7	1498.4	929.5	539.4	347.2	232.3
-15°	5278.2	4503.1	3814.6	3071.4	2399.9	1915.3	1453.4	933.6	572.7	380.1	254.1
-17.5°	5112.5	4414.5	3736.3	2965.4	2332.7	1870.9	1405.4	932.1	601.3	408.5	274.9
-20°	4760.7	4189.5	3628.7	2830.2	2246.0	1813.1	1356.7	925.7	624.8	433.0	294.4



REPORT NUMBER: P731351 (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°	4387.4	3871.2	3342.0	2711.4	2154.4	1741.5	1309.1	914.9	643.0	453.4	311.0
-25°	3986.8	3547.8	3040.7	2517.2	2065.8	1667.4	1273.3	900.4	655.8	469.4	324.5
-27.5°	3611.6	3221.8	2757.4	2325.6	1940.3	1601.6	1245.5	909.5	666.4	480.9	334.9
-30°	3253.9	2915.7	2530.6	2148.9	1813.3	1514.6	1215.9	913.2	677.6	490.5	341.9
-32.5°	2995.7	2641.8	2324.6	2004.5	1702.0	1422.6	1158.7	910.0	682.5	497.2	347.3
-35°	2791.5	2439.0	2132.3	1861.8	1594.8	1336.3	1091.0	899.9	681.0	499.3	349.9
-37.5°	2580.4	2265.0	1979.3	1729.6	1484.6	1246.3	1034.2	855.9	673.2	496.5	349.1
-40°	2383.5	2093.6	1836.6	1606.8	1379.8	1153.2	973.1	811.9	663.7	489.0	344.8
-42.5°	2179.5	1927.3	1697.1	1481.5	1275.0	1081.0	909.5	765.1	631.7	479.2	337.1
-45°	1987.3	1759.4	1555.8	1364.0	1171.6	1005.1	854.7	716.8	595.0	466.2	327.5
-47.5°	1792.1	1601.4	1420.9	1244.7	1084.3	929.6	797.1	673.8	556.5	448.3	316.9
-50°	1618.0	1450.7	1292.4	1141.4	993.5	863.7	739.7	628.8	521.2	417.0	303.1
-52.5°	1469.5	1314.4	1177.1	1042.5	917.0	795.1	688.2	582.6	484.4	387.5	286.2
-55°	1335.8	1193.0	1070.9	955.4	842.3	735.0	634.9	540.3	446.2	358.0	266.8
-57.5°	1220.9	1083.4	977.9	874.1	774.3	676.8	584.4	496.5	410.2	327.2	249.2
-60°	1113.0	996.3	890.5	800.5	710.0	620.6	535.1	452.8	373.9	296.0	227.1
-62.5°	1023.3	912.1	814.0	730.4	648.4	566.9	485.1	410.7	336.2	267.0	202.7
-65°	934.3	834.1	739.0	664.8	589.0	512.0	437.4	367.2	299.7	236.5	178.8
-67.5°	843.2	753.7	671.2	599.9	526.9	455.9	387.9	323.4	262.3	204.6	157.7
-70°	746.7	670.1	596.6	527.5	461.2	397.2	335.9	278.2	223.3	177.2	135.6
-72.5°	641.7	574.7	511.6	451.5	391.6	334.9	281.8	232.7	188.8	148.7	112.6
-75°	529.1	473.1	419.9	368.6	318.2	270.8	229.2	190.4	153.2	119.3	91.7
-77.5°	408.5	364.7	323.4	285.0	246.3	210.4	177.4	146.9	118.2	93.5	71.2
-80°	292.2	261.9	232.5	203.6	174.9	148.7	128.0	107.9	86.9	67.6	50.3
-82.5°	182.8	164.4	147.5	131.1	114.8	99.1	84.3	70.0	55.0	41.2	33.3
-85°	98.4	88.1	78.1	68.4	58.5	49.1	44.5	39.9	34.3	29.2	24.5
-87.5°	40.1	38.0	35.9	33.7	31.1	28.6	26.2	23.8	20.8	18.1	15.6
-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°	6.4	6.2	5.9	5.7	5.4	4.9	4.3
87.5°	6.2	5.7	5.3	5.0	4.7	4.5	4.3
85°	8.2	7.2	6.3	5.6	5.0	4.6	4.3
82.5°	10.1	8.6	7.4	6.3	5.4	4.8	4.3
80°	11.8	10.0	8.3	6.9	5.8	4.9	4.3
77.5°	12.0	10.9	9.3	7.6	6.1	5.1	4.3
75°	12.1	11.0	10.1	8.2	6.5	5.3	4.3
72.5°	12.3	11.0	10.0	8.8	6.9	5.4	4.3
70°	12.4	11.0	9.9	9.2	7.2	5.6	4.3
67.5°	12.9	11.0	9.9	9.1	7.5	5.7	4.3
65°	13.3	11.1	9.7	9.0	7.8	5.9	4.3
62.5°	13.7	11.5	9.6	8.8	8.2	6.0	4.3
60°	14.1	11.9	9.5	8.7	8.4	6.1	4.3
57.5°	14.8	12.2	9.7	8.5	8.4	6.3	4.3
55°	15.4	12.6	10.0	8.4	8.3	6.4	4.3
52.5°	16.1	13.0	10.3	8.2	8.3	6.5	4.3
50°	16.8	13.6	10.6	8.0	8.2	6.6	4.3
47.5°	17.6	14.2	10.8	7.9	8.2	6.7	4.3
45°	18.7	14.7	11.1	8.0	8.2	6.8	4.3
42.5°	19.7	15.3	11.3	8.2	8.2	6.9	4.3
40°	20.8	15.9	11.6	8.5	8.2	7.0	4.3
37.5°	21.8	16.4	12.0	9.0	8.3	7.1	4.3
35°	22.8	17.2	12.5	9.4	8.3	7.2	4.3
32.5°	23.9	17.9	12.8	9.9	8.4	7.2	4.3
30°	25.3	18.7	13.2	10.4	8.4	7.3	4.3
27.5°	26.7	19.4	14.2	10.9	8.5	7.4	4.3
25°	28.1	20.0	15.4	11.4	8.6	7.4	4.3
22.5°	29.5	21.2	16.7	11.9	8.7	7.5	4.3
20°	30.8	23.9	17.9	12.4	8.8	7.5	4.3
17.5°	34.4	26.7	19.2	13.0	8.9	7.5	4.3
15°	39.5	29.6	20.5	13.5	9.0	7.5	4.3
12.5°	44.6	32.6	21.8	13.9	9.1	7.5	4.3
10°	49.8	35.6	23.1	14.4	9.2	7.5	4.3
7.5°	54.9	38.6	24.4	14.9	9.3	7.5	4.3
5°	60.0	41.6	25.6	15.3	9.4	7.5	4.3
2.5°	64.9	44.4	26.7	15.7	9.5	7.5	4.3
0°	69.6	47.1	27.8	16.1	9.6	7.5	4.3
-2.5°	87.6	57.2	33.2	18.5	10.3	7.6	4.3
-5°	105.2	67.0	38.5	20.8	11.0	7.8	4.3
-7.5°	121.9	76.3	43.5	23.0	11.6	7.9	4.3
-10°	137.7	85.2	48.3	25.1	12.3	8.0	4.3
-12.5°	152.3	93.3	52.7	27.0	12.9	8.1	4.3
-15°	165.4	100.8	56.8	28.8	13.5	8.2	4.3
-17.5°	176.9	107.4	60.4	30.4	14.0	8.3	4.3
-20°	188.2	113.0	63.5	31.7	14.5	8.3	4.3



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

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	200.2	117.7	66.0	32.9	14.9	8.4	4.3
-25°	210.1	123.7	68.0	33.7	15.3	8.4	4.3
-27.5°	217.8	129.5	69.3	34.4	15.6	8.5	4.3
-30°	223.3	133.9	70.2	34.7	15.8	8.5	4.3
-32.5°	226.4	136.7	72.4	34.7	16.0	8.5	4.3
-35°	228.8	138.0	73.7	34.4	16.1	8.5	4.3
-37.5°	229.7	138.3	74.1	33.8	16.1	8.5	4.3
-40°	228.2	138.4	73.6	32.9	16.1	8.4	4.3
-42.5°	224.4	137.0	73.0	32.0	15.9	8.4	4.3
-45°	218.1	134.2	72.3	31.4	15.7	8.3	4.3
-47.5°	209.5	129.9	70.8	30.4	15.5	8.2	4.3
-50°	201.5	124.3	68.6	30.1	15.1	8.1	4.3
-52.5°	192.0	117.2	65.6	29.8	14.7	8.0	4.3
-55°	180.5	111.2	61.9	29.1	14.2	7.8	4.3
-57.5°	167.1	104.6	57.6	28.1	13.7	7.7	4.3
-60°	152.5	96.9	52.6	26.7	13.0	7.5	4.3
-62.5°	140.1	88.2	49.1	25.1	12.6	7.4	4.3
-65°	126.4	78.6	45.0	23.1	12.1	7.2	4.3
-67.5°	111.5	69.5	40.4	20.9	11.5	7.0	4.3
-70°	95.4	60.9	35.4	18.4	10.9	6.8	4.3
-72.5°	81.1	51.7	29.9	16.8	10.3	6.5	4.3
-75°	66.4	41.9	24.0	15.4	9.7	6.3	4.3
-77.5°	50.9	31.6	20.7	13.9	9.0	6.1	4.3
-80°	34.8	25.0	17.9	12.3	8.3	5.9	4.3
-82.5°	27.0	20.4	15.0	10.7	7.6	5.6	4.3
-85°	20.2	15.7	12.0	9.0	6.9	5.4	4.3
-87.5°	13.3	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

