

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: P731444 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-80-5S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731444 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-57-80-5S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

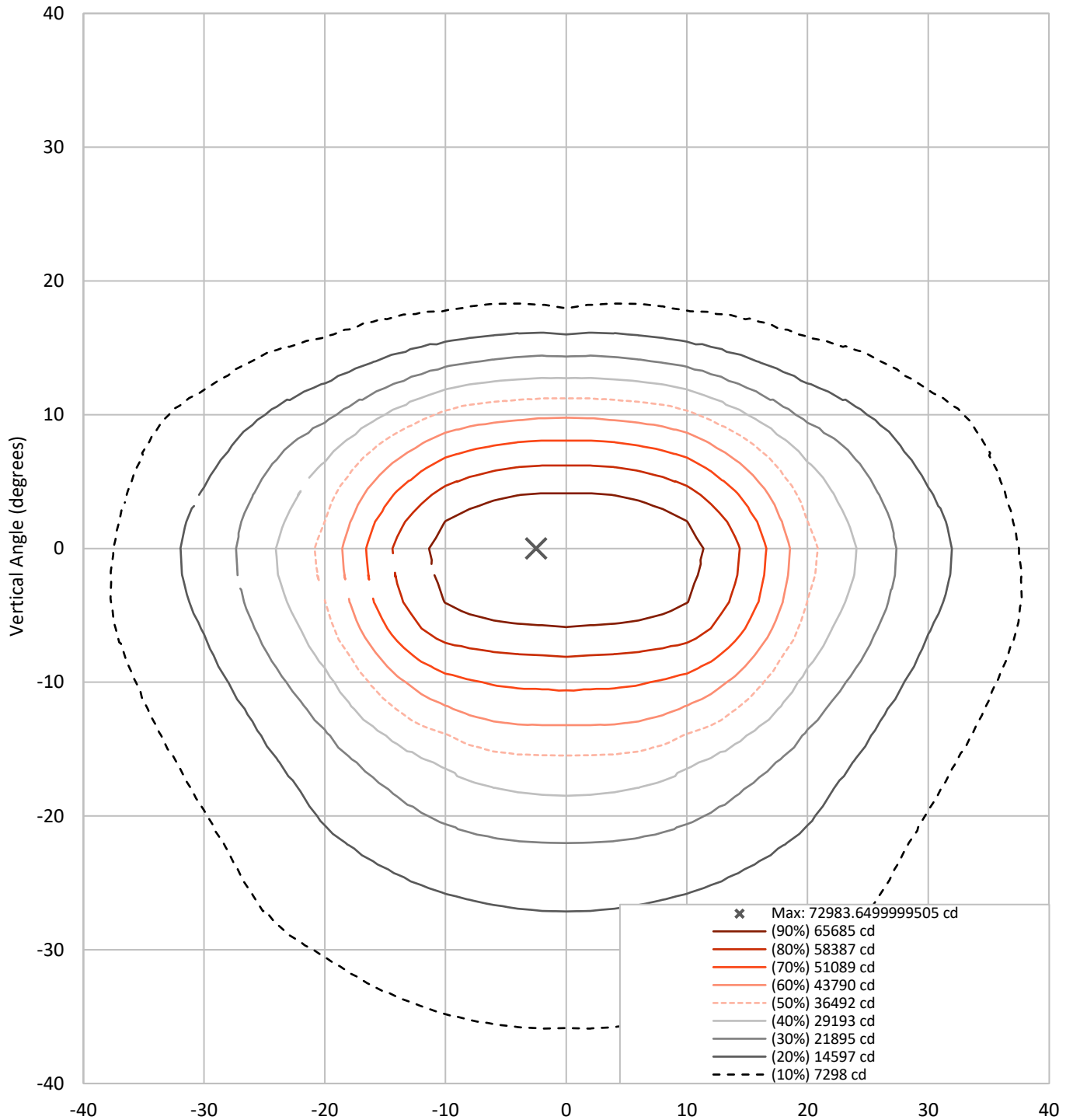
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	28920.2 lumens	Max Intensity:	72983.6 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	83.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	14333.5 lumens	Field Lumens:	25924.8 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%

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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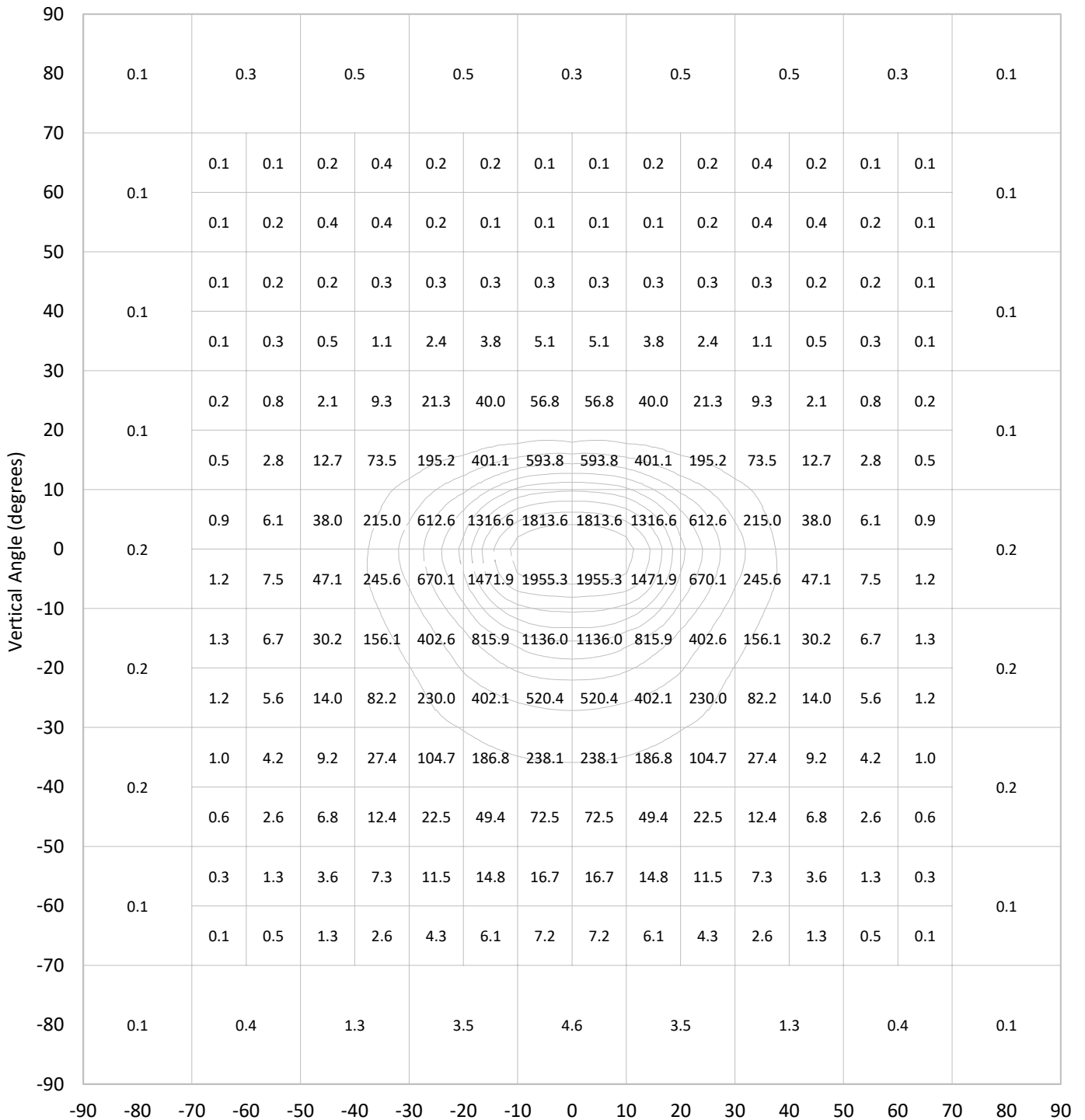
Iso-Candela Plot





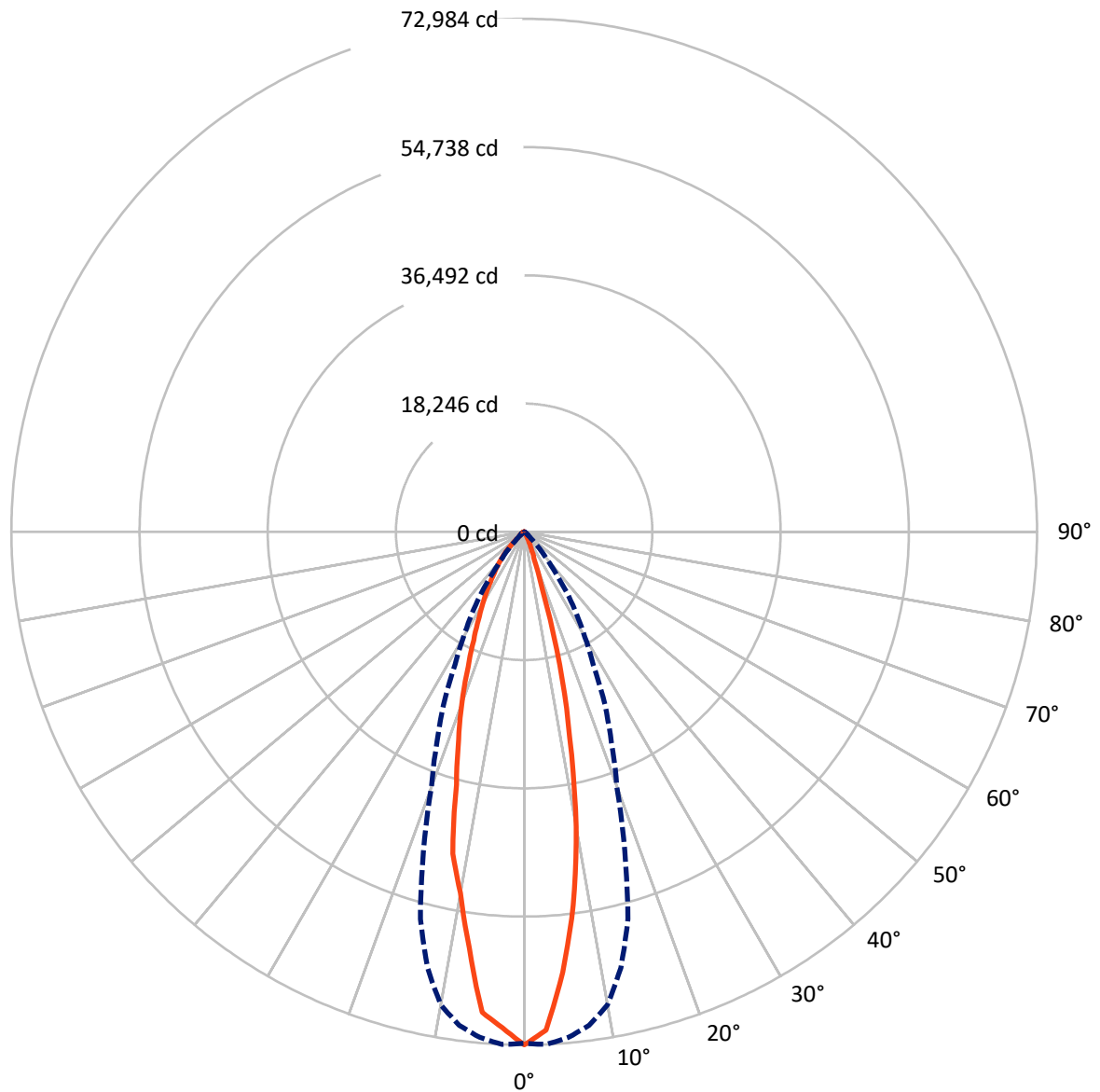
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Lumen Table



REPORT NUMBER: P731444 (CONVERTED FROM TYPE C PHOTOMETRY)
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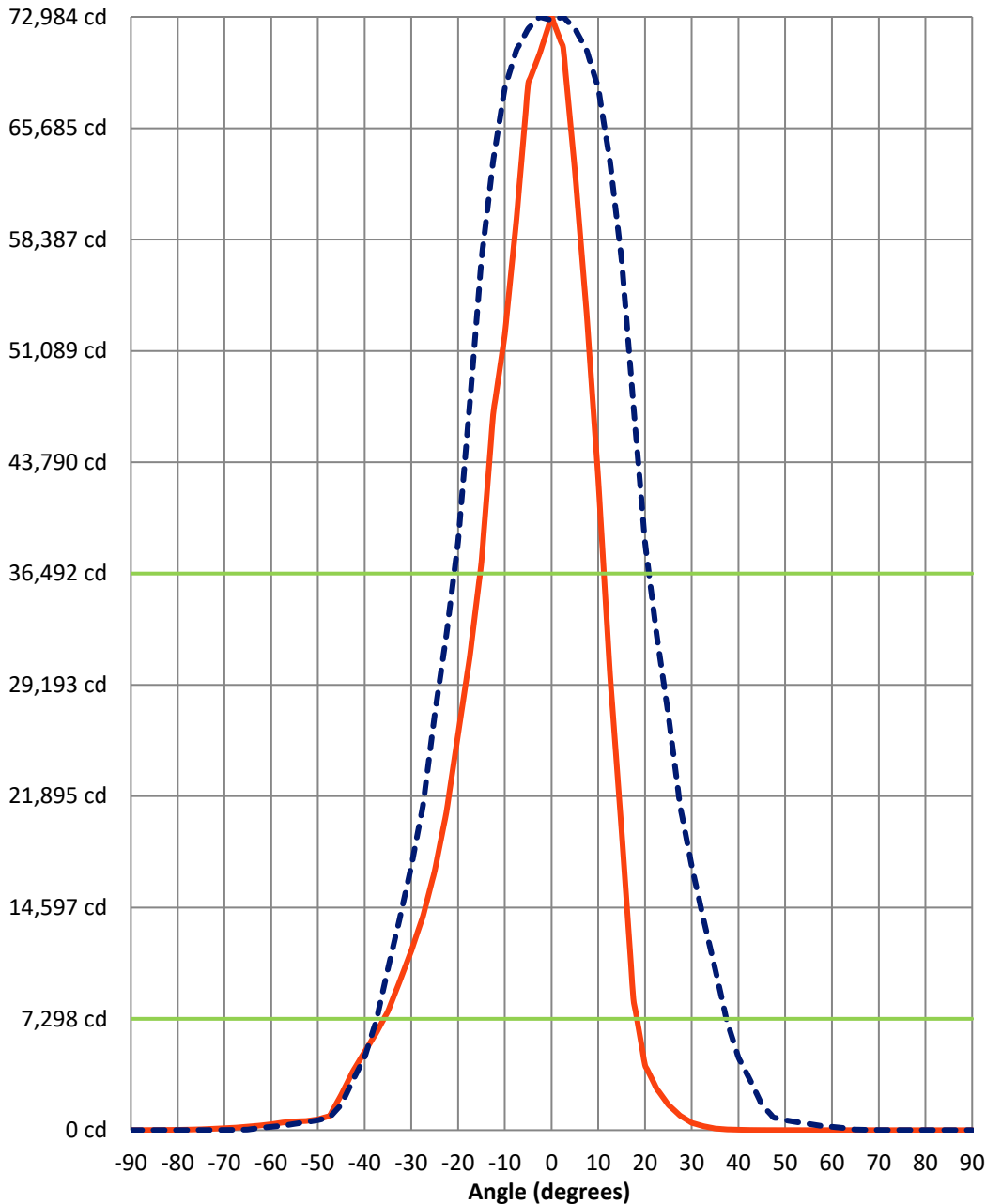
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 41.7°
 V Angle: 26.5°
 Lumens: 14333.5
 Efficiency: 49.6%

Field:
 H Angle: 74.8°
 V Angle: 54.1°
 Lumens: 25924.8
 Efficiency: 89.6%

Spill:
 Lumens: 2995.4
 Efficiency: 10.4%

— Vertical Distribution through -2.5-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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	4.4	4.4	4.5	4.5	4.6	4.6	4.7	4.6	4.6	4.5	4.4
85°	4.4	4.4	4.6	4.7	4.8	4.9	5.0	4.9	4.8	4.6	4.4
82.5°	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.2	5.0	4.8	4.7
80°	4.4	4.5	4.8	5.0	5.2	5.3	5.5	5.3	5.2	5.1	5.2
77.5°	4.4	4.5	4.9	5.1	5.3	5.5	5.5	5.4	5.3	5.4	5.5
75°	4.4	4.5	4.9	5.3	5.5	5.5	5.5	5.5	5.5	5.5	5.5
72.5°	4.4	4.6	5.0	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5
70°	4.4	4.6	5.1	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
67.5°	4.4	4.6	5.2	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
65°	4.4	4.6	5.2	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
62.5°	4.4	4.6	5.3	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
60°	4.4	4.6	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
57.5°	4.4	4.6	5.3	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
55°	4.4	4.7	5.3	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
52.5°	4.4	4.7	5.3	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
50°	4.4	4.7	5.3	5.5	5.5	5.5	5.5	5.6	5.5	5.5	5.8
47.5°	4.4	4.7	5.3	5.5	5.5	5.5	5.5	5.6	5.5	5.5	6.2
45°	4.4	4.7	5.3	5.5	5.5	5.5	5.6	5.7	5.6	5.8	6.6
42.5°	4.4	4.7	5.3	5.5	5.5	5.5	5.7	5.9	5.7	6.1	7.0
40°	4.4	4.7	5.3	5.5	5.5	5.5	5.8	6.0	6.0	6.4	7.3
37.5°	4.4	4.7	5.3	5.5	5.5	5.5	6.0	6.2	6.4	6.9	7.6
35°	4.4	4.7	5.3	5.5	5.5	5.6	6.1	6.4	6.8	7.4	7.8
32.5°	4.4	4.6	5.3	5.5	5.5	5.7	6.3	6.6	7.2	7.9	8.5
30°	4.4	4.6	5.4	5.5	5.5	5.8	6.5	6.9	7.6	8.4	9.4
27.5°	4.4	4.6	5.4	5.5	5.5	5.9	6.6	7.2	8.0	9.0	10.4
25°	4.4	4.6	5.4	5.5	5.5	6.1	6.8	7.5	8.4	9.8	11.5
22.5°	4.4	4.6	5.4	5.5	5.5	6.2	7.0	7.8	8.9	10.6	13.5
20°	4.4	4.6	5.4	5.5	5.5	6.3	7.3	8.1	9.4	11.5	15.7
17.5°	4.4	4.6	5.4	5.5	5.5	6.3	7.4	8.4	9.9	12.5	18.2
15°	4.4	4.5	5.4	5.5	5.5	6.4	7.5	8.6	10.4	13.5	20.8
12.5°	4.4	4.5	5.5	5.5	5.5	6.5	7.5	8.7	10.8	14.4	23.5
10°	4.4	4.5	5.5	5.5	5.5	6.5	7.6	8.8	11.1	15.7	26.5
7.5°	4.4	4.5	5.5	5.5	5.5	6.6	7.6	8.8	11.4	17.1	30.1
5°	4.4	4.4	5.5	5.5	5.5	6.6	7.7	8.9	11.7	18.5	33.6
2.5°	4.4	4.4	5.5	5.5	5.5	6.6	7.7	8.9	12.0	19.8	36.9
0°	4.4	4.4	5.5	5.5	5.5	6.6	7.7	8.9	12.2	21.0	39.9
-2.5°	4.4	4.4	5.5	5.5	5.6	6.7	7.9	9.9	15.2	26.4	48.7
-5°	4.4	4.4	5.5	5.5	5.7	6.8	8.0	10.9	18.0	31.5	56.9
-7.5°	4.4	4.5	5.5	5.5	5.8	6.9	8.1	11.8	20.6	36.2	64.4
-10°	4.4	4.5	5.5	5.5	5.9	7.0	8.2	12.5	22.9	40.4	70.9
-12.5°	4.4	4.5	5.5	5.5	5.9	7.1	8.3	13.1	24.7	44.0	75.9
-15°	4.4	4.5	5.4	5.5	6.0	7.1	8.4	13.5	26.3	47.0	79.6
-17.5°	4.4	4.6	5.4	5.5	6.0	7.2	8.5	14.2	27.6	49.1	82.0
-20°	4.4	4.6	5.4	5.5	6.1	7.2	8.7	14.9	28.4	50.4	83.2



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 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.4	4.6	5.4	5.5	6.1	7.2	9.2	15.5	28.6	50.7	83.0
-25°	4.4	4.6	5.4	5.5	6.1	7.3	9.6	15.7	28.3	50.0	81.3
-27.5°	4.4	4.6	5.4	5.5	6.1	7.3	9.7	15.7	27.3	48.7	80.3
-30°	4.4	4.6	5.4	5.5	6.0	7.2	9.6	15.4	26.7	47.5	78.0
-32.5°	4.4	4.6	5.3	5.5	6.0	7.2	9.3	15.3	26.3	45.4	74.2
-35°	4.4	4.7	5.3	5.5	5.9	7.0	9.1	15.0	25.4	42.4	68.9
-37.5°	4.4	4.7	5.3	5.5	5.8	6.8	9.0	14.3	24.2	38.5	61.8
-40°	4.4	4.7	5.3	5.5	5.7	6.7	8.7	13.3	22.5	35.9	55.0
-42.5°	4.4	4.7	5.3	5.5	5.7	6.6	8.3	12.0	20.8	32.7	47.8
-45°	4.4	4.7	5.3	5.5	5.7	6.5	7.9	10.8	18.9	29.0	40.5
-47.5°	4.4	4.7	5.3	5.6	5.8	6.4	7.4	10.1	16.4	25.0	35.9
-50°	4.4	4.7	5.3	5.6	5.8	6.2	7.1	9.4	13.2	21.4	30.9
-52.5°	4.4	4.7	5.3	5.6	5.8	6.1	7.0	8.5	11.5	17.6	25.7
-55°	4.4	4.7	5.3	5.6	5.9	6.1	6.8	7.6	10.2	13.5	21.1
-57.5°	4.4	4.6	5.3	5.6	5.9	6.1	6.6	7.4	9.0	11.5	16.3
-60°	4.4	4.6	5.4	5.6	5.9	6.1	6.4	7.1	7.9	10.1	12.4
-62.5°	4.4	4.6	5.3	5.6	5.9	6.2	6.4	6.9	7.6	8.6	10.8
-65°	4.4	4.6	5.2	5.6	5.8	6.2	6.5	6.7	7.3	8.0	9.2
-67.5°	4.4	4.6	5.2	5.5	5.7	6.2	6.5	6.7	7.0	7.7	8.4
-70°	4.4	4.6	5.1	5.5	5.7	6.0	6.5	6.7	6.9	7.3	7.9
-72.5°	4.4	4.6	5.0	5.4	5.6	5.9	6.3	6.6	6.8	7.1	7.5
-75°	4.4	4.5	4.9	5.3	5.5	5.7	6.1	6.4	6.6	6.8	7.1
-77.5°	4.4	4.5	4.9	5.1	5.3	5.6	5.8	6.0	6.3	6.5	6.7
-80°	4.4	4.5	4.8	5.0	5.2	5.3	5.5	5.7	5.9	6.1	6.3
-82.5°	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.5	5.7	5.8
-85°	4.4	4.4	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.2	5.3
-87.5°	4.4	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.9
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4



REPORT NUMBER: P731444 (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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
85°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
82.5°	4.7	4.7	4.6	4.4	4.4	4.4	4.4	4.5	4.6	4.6	4.5
80°	5.1	5.0	4.8	4.7	4.9	5.0	5.2	5.3	5.2	5.0	4.7
77.5°	5.3	5.3	5.3	5.3	5.5	5.5	5.5	5.5	5.3	5.0	4.7
75°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.7	5.8	5.7	5.6
72.5°	5.5	5.5	5.5	5.5	5.5	5.7	6.0	6.4	6.6	6.6	6.5
70°	5.5	5.5	5.5	5.5	5.6	5.9	6.5	7.1	7.4	7.6	8.1
67.5°	5.5	5.5	5.5	5.6	6.0	6.6	7.2	8.3	9.6	10.2	10.9
65°	5.5	5.5	5.6	6.0	6.5	7.3	8.5	10.0	13.0	14.6	15.3
62.5°	5.5	5.6	5.9	6.4	7.1	8.1	10.3	13.6	17.7	20.1	19.9
60°	5.5	5.6	6.2	6.9	7.7	9.5	12.6	16.9	22.5	26.5	24.0
57.5°	5.5	5.9	6.6	7.6	8.9	10.4	14.4	19.8	25.3	31.4	26.8
55°	5.7	6.3	7.3	8.7	10.0	11.3	15.2	19.9	26.1	29.4	25.0
52.5°	6.1	6.8	8.3	9.6	10.9	11.7	13.5	18.0	21.3	23.8	21.3
50°	6.5	7.7	9.1	10.2	11.1	11.1	10.6	14.1	16.7	17.5	17.3
47.5°	7.1	8.5	9.5	10.5	10.6	10.4	9.4	11.0	12.9	13.7	13.1
45°	7.7	8.9	9.8	10.2	10.4	10.0	9.6	9.2	11.2	11.6	11.1
42.5°	8.2	9.2	9.9	10.0	10.5	10.7	10.6	10.3	10.5	10.8	10.7
40°	8.5	9.5	10.1	11.0	11.2	12.1	12.8	12.7	10.8	12.0	12.2
37.5°	8.7	9.8	11.0	13.2	12.9	14.5	15.7	17.3	15.8	14.8	16.5
35°	8.9	10.3	13.9	16.6	16.7	17.7	21.6	23.5	22.3	21.1	23.2
32.5°	9.3	10.8	17.8	20.7	22.2	23.8	29.3	30.3	31.3	31.9	33.6
30°	10.3	14.4	22.3	25.2	28.6	34.6	37.5	38.5	42.5	47.9	62.7
27.5°	12.4	19.1	26.6	31.1	36.6	46.7	50.6	51.1	57.8	71.9	107.5
25°	14.9	30.2	31.2	37.8	48.0	60.2	68.1	75.8	78.3	120.9	205.7
22.5°	20.9	44.4	49.5	44.9	60.3	75.9	92.8	114.2	146.6	195.8	321.5
20°	31.4	60.1	72.3	75.4	79.3	93.8	121.3	164.5	265.9	440.9	607.9
17.5°	43.6	78.1	97.8	113.9	131.9	137.8	155.6	224.6	416.3	790.4	1227.9
15°	56.9	98.0	125.4	156.9	190.2	215.8	253.2	360.9	670.2	1273.0	2024.4
12.5°	71.1	119.3	154.5	203.5	252.8	298.6	368.8	598.9	1119.2	1955.4	3095.2
10°	85.5	141.5	184.7	252.5	318.4	384.7	488.6	871.3	1650.2	2682.6	4070.8
7.5°	101.4	163.3	214.7	302.6	385.6	472.5	610.3	1164.4	2200.1	3354.3	4915.9
5°	116.9	183.7	241.3	342.9	440.6	548.8	720.8	1461.6	2745.7	3967.1	5682.0
2.5°	131.3	202.8	267.0	379.4	485.9	604.6	781.5	1584.1	3059.8	4419.3	6437.3
0°	143.9	220.3	291.2	412.9	528.1	656.5	834.8	1672.8	3275.9	4766.0	7174.0
-2.5°	149.4	227.0	303.2	423.1	526.4	648.2	835.1	1702.2	3461.1	5177.9	7546.0
-5°	152.7	231.7	312.8	429.8	522.2	636.0	826.9	1689.2	3491.5	5273.1	7399.0
-7.5°	154.2	234.5	319.5	431.2	511.5	611.7	789.9	1565.8	3160.5	4836.4	6709.9
-10°	153.8	233.8	316.8	417.7	492.0	579.3	740.5	1403.3	2777.4	4343.5	5977.4
-12.5°	151.0	230.0	310.6	403.0	473.1	545.3	683.7	1203.1	2357.4	3809.3	5276.2
-15°	147.0	224.7	302.3	387.6	455.5	510.3	619.8	966.8	1919.7	3330.1	4713.2
-17.5°	142.1	218.1	292.1	372.1	440.1	475.0	551.4	730.3	1528.2	2816.7	4146.4
-20°	136.5	210.2	280.0	357.3	425.9	451.8	515.1	658.5	1208.4	2244.7	3531.0



REPORT NUMBER: P731444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	130.4	201.1	267.4	341.7	405.3	439.7	483.2	582.4	861.7	1618.4	2866.5
-25°	126.6	191.5	255.2	321.1	384.8	428.2	450.6	509.4	651.4	1221.2	2165.4
-27.5°	124.1	182.0	238.5	299.0	364.6	414.0	432.4	472.9	572.6	809.2	1506.4
-30°	119.8	167.4	220.5	276.5	339.8	391.3	420.9	444.6	504.8	634.4	1033.2
-32.5°	110.9	151.9	202.4	255.3	312.5	369.6	412.1	435.1	474.0	541.0	675.0
-35°	100.3	139.0	183.9	232.8	284.3	342.9	392.9	430.8	449.2	495.4	581.3
-37.5°	90.5	125.2	164.6	210.3	258.6	312.6	371.0	413.7	444.2	465.4	526.7
-40°	79.8	110.6	147.5	188.4	232.7	282.2	336.3	389.2	429.8	465.1	492.3
-42.5°	68.6	97.8	130.7	165.8	207.5	252.3	300.1	352.8	405.2	452.8	489.7
-45°	60.0	83.9	113.4	146.2	181.7	222.0	266.0	312.0	366.6	421.4	469.2
-47.5°	50.9	70.4	97.0	125.3	157.1	192.5	231.0	274.3	320.5	373.5	429.4
-50°	42.3	59.9	79.4	105.4	133.0	163.7	197.7	235.7	277.2	321.2	369.8
-52.5°	36.2	48.7	65.8	85.5	110.0	136.2	165.9	198.5	234.4	271.9	311.4
-55°	29.6	40.3	52.7	68.9	87.6	110.5	135.4	163.9	192.6	225.9	256.1
-57.5°	23.7	32.4	42.2	53.8	69.1	85.8	107.7	130.3	156.1	182.2	204.5
-60°	18.1	25.2	33.4	42.3	52.1	66.5	81.2	100.1	121.0	140.9	160.0
-62.5°	12.9	18.7	25.4	32.7	40.7	49.0	61.0	74.4	87.7	104.4	119.9
-65°	11.1	13.3	18.1	24.2	30.4	38.2	45.8	53.0	64.2	75.1	85.2
-67.5°	9.2	11.0	13.1	16.1	21.7	28.0	34.4	41.2	47.6	53.2	59.5
-70°	8.5	8.8	10.2	12.2	14.6	18.6	24.2	29.8	35.3	40.7	45.7
-72.5°	7.9	8.3	8.6	8.9	10.8	13.5	16.4	19.5	23.4	27.6	32.1
-75°	7.4	7.7	7.9	8.2	8.8	9.9	11.3	13.7	16.2	18.3	20.3
-77.5°	6.9	7.1	7.3	7.5	8.0	8.6	9.5	10.5	11.7	12.9	14.3
-80°	6.4	6.6	6.8	6.9	7.2	7.5	8.0	8.4	9.2	10.1	11.1
-82.5°	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.9	7.2	7.6	8.1
-85°	5.4	5.5	5.6	5.7	5.7	5.8	5.9	6.0	6.0	6.1	6.1
-87.5°	4.9	4.9	5.0	5.0	5.1	5.1	5.1	5.2	5.2	5.2	5.3
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4



REPORT NUMBER: P731444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.4	4.7	5.0	5.2	5.5	6.3	7.2	8.0	8.9	8.6	8.3
87.5°	4.4	4.1	3.9	3.6	3.3	3.0	2.8	2.5	2.2	1.9	1.7
85°	4.4	4.3	4.3	4.2	4.2	4.0	3.7	3.5	3.2	2.7	2.2
82.5°	4.4	4.4	4.4	4.4	4.4	4.1	3.9	3.6	3.3	2.8	2.2
80°	4.4	4.4	4.4	4.4	4.4	4.2	3.9	3.6	3.3	2.8	2.2
77.5°	4.6	4.6	4.6	4.5	4.4	4.2	3.9	3.6	3.3	2.8	2.3
75°	5.5	5.4	5.2	4.9	4.5	4.2	3.9	3.6	3.4	3.0	2.7
72.5°	6.4	6.2	5.9	5.7	5.4	5.2	4.9	4.6	4.3	4.0	3.8
70°	8.5	8.7	8.5	8.1	7.4	6.7	6.3	5.9	5.4	4.9	4.5
67.5°	11.5	11.6	10.9	10.0	8.7	7.5	6.9	6.3	5.8	5.4	5.4
65°	15.1	13.8	12.4	10.9	9.2	7.6	7.0	6.4	5.8	5.5	5.5
62.5°	18.4	14.9	12.0	10.1	8.7	7.6	6.8	6.0	5.2	4.7	4.6
60°	19.8	14.1	10.1	8.8	7.7	6.7	5.9	5.3	4.7	4.4	4.1
57.5°	19.8	13.4	8.6	7.4	6.5	5.7	5.3	5.0	4.7	4.4	4.0
55°	18.0	11.9	7.0	6.3	6.0	5.7	5.4	5.1	4.7	4.4	4.1
52.5°	14.7	10.5	7.5	6.4	6.1	5.8	5.5	5.1	4.8	4.5	4.1
50°	12.8	9.6	7.6	6.5	6.2	5.9	5.5	5.4	5.4	5.2	5.0
47.5°	11.1	8.8	7.5	6.7	6.5	7.0	7.3	7.4	7.3	7.0	6.7
45°	9.7	8.5	7.9	8.2	8.6	9.2	9.6	9.7	9.7	9.7	9.6
42.5°	9.7	9.7	10.4	11.5	11.4	12.8	13.5	11.9	13.6	14.6	13.7
40°	12.8	13.1	16.1	18.6	20.9	21.2	24.8	25.4	25.8	27.4	27.6
37.5°	18.6	21.9	31.3	38.5	41.4	41.7	46.9	48.0	46.5	52.9	54.7
35°	28.5	43.3	58.7	67.5	72.4	76.2	83.3	91.4	87.6	101.7	106.6
32.5°	51.2	78.3	106.1	105.1	114.5	139.7	149.1	164.0	179.5	203.2	229.2
30°	86.2	159.3	191.5	179.7	206.3	242.3	242.6	283.9	341.7	390.7	464.5
27.5°	194.3	276.0	318.1	337.0	357.1	402.6	459.1	511.7	658.6	758.9	864.5
25°	329.8	442.6	487.7	557.8	621.4	663.6	834.2	958.6	1169.7	1322.9	1481.4
22.5°	531.7	680.9	774.4	837.8	1052.0	1242.5	1424.7	1695.8	1905.3	2168.1	2366.1
20°	784.6	986.1	1329.3	1598.7	1733.2	2137.8	2467.4	2747.6	3119.3	3445.1	3735.0
17.5°	1480.4	1593.7	2310.8	3012.5	3296.2	3819.3	4766.9	5124.4	6194.7	6978.3	7401.5
15°	2680.6	3228.2	3983.5	5153.4	6451.3	7476.6	8374.8	10214.2	12256.3	14066.4	15972.3
12.5°	4238.9	5309.8	6580.9	8012.1	10350.4	12206.0	14193.5	16822.3	20121.1	22992.1	26369.6
10°	5799.9	7609.4	9366.5	11596.6	14550.3	17415.3	20278.0	24441.5	29287.1	33939.4	37961.9
7.5°	7090.7	9543.8	11925.0	15008.0	19031.2	23022.8	27023.9	32530.7	38939.3	44249.0	48813.6
5°	8404.3	11476.5	14269.7	17825.4	22560.4	27422.0	32429.0	39295.6	46865.2	52877.5	57587.1
2.5°	9610.6	13091.8	16324.8	20289.6	25562.5	30319.2	36018.7	44448.2	53468.0	59954.0	65145.9
0°	10584.9	13847.6	17301.7	21291.7	27212.4	32455.6	38563.5	47602.9	57040.9	63521.3	68312.3
-2.5°	10375.2	13675.3	16904.8	20958.6	26902.7	31729.7	37913.2	46807.1	56131.8	62715.8	67018.8
-5°	9720.5	12641.3	15541.0	19348.2	24575.2	29278.9	35334.4	44476.5	53420.9	60134.9	65086.2
-7.5°	8752.4	11232.4	13862.4	17331.6	21881.4	26380.9	31647.9	38933.7	47281.9	53355.0	56943.8
-10°	7733.2	9786.5	12249.5	15181.3	18936.4	22977.7	27351.8	33188.3	40321.7	45647.6	49052.2
-12.5°	6839.8	8618.8	10816.1	12984.4	16048.1	19647.5	23531.6	28307.7	33014.7	38630.9	41574.4
-15°	6016.9	7499.8	9387.8	11466.8	14012.7	16841.7	19624.7	23200.8	26266.1	29774.2	32323.0
-17.5°	5328.3	6512.6	8185.6	10200.4	12117.3	14553.3	17209.2	19631.6	22223.1	24755.5	26869.1
-20°	4706.1	5683.2	7109.7	8883.6	10772.3	12843.8	15187.4	17159.2	19276.7	21201.1	22854.3



REPORT NUMBER: P731444 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	3998.9	4989.7	6094.5	7612.3	9503.8	11360.9	13096.3	14586.5	16186.7	17741.7	18915.6
-25°	3263.0	4213.9	5271.6	6703.9	8253.5	9816.1	11045.1	12094.3	13343.4	14463.9	15471.3
-27.5°	2502.0	3515.8	4656.6	5852.9	7200.7	8193.8	9228.1	10176.9	11126.2	11880.2	12730.9
-30°	1739.4	2845.6	3967.6	5100.0	6023.2	6815.9	7587.3	8457.4	9316.3	10032.9	10633.4
-32.5°	1194.5	1992.5	3124.6	4177.7	4966.8	5640.5	6236.3	6978.3	7643.9	8233.6	8759.0
-35°	717.4	1279.6	2057.0	3057.7	3921.2	4576.6	5183.5	5746.1	6243.0	6739.7	7134.8
-37.5°	614.6	739.1	1210.6	1876.1	2697.8	3491.0	4114.5	4641.1	5104.1	5486.6	5821.9
-40°	553.4	627.1	730.2	957.2	1562.3	2168.0	2848.5	3448.8	3937.1	4296.4	4588.2
-42.5°	517.4	564.6	615.0	695.9	785.8	1073.4	1594.0	2091.3	2520.4	2918.4	3260.1
-45°	511.2	531.2	558.3	603.9	645.4	720.0	801.3	880.9	1218.4	1538.3	1800.7
-47.5°	472.9	513.7	538.6	559.0	580.7	616.0	650.3	687.2	748.6	806.2	855.7
-50°	417.0	460.9	498.5	535.3	554.6	568.9	583.1	601.4	625.3	647.2	667.3
-52.5°	348.4	390.7	432.9	472.1	502.8	530.9	556.2	568.1	577.1	585.3	591.7
-55°	287.6	320.9	354.2	390.0	425.4	459.1	488.2	507.4	524.7	540.0	553.1
-57.5°	230.2	256.2	283.3	312.4	340.6	367.8	393.7	417.4	438.4	456.7	472.0
-60°	178.4	195.9	218.5	241.6	263.6	284.4	305.4	324.5	341.8	357.0	368.9
-62.5°	133.8	148.4	165.6	181.8	196.3	211.8	231.4	247.8	261.3	272.2	281.8
-65°	96.2	108.3	122.1	135.8	149.2	162.5	176.2	189.4	202.0	212.0	219.2
-67.5°	68.3	76.9	86.6	95.0	105.0	116.7	129.1	140.5	150.9	158.0	162.3
-70°	50.3	55.4	62.4	70.5	78.9	86.6	94.6	102.4	110.2	115.7	119.8
-72.5°	36.7	41.7	46.9	52.1	57.7	63.5	69.2	75.1	80.9	84.6	87.1
-75°	22.2	25.1	29.7	34.1	38.3	42.3	46.0	49.6	52.9	54.6	55.7
-77.5°	15.9	18.0	20.2	22.5	24.9	27.2	29.6	31.9	34.2	35.2	36.0
-80°	12.2	13.4	14.6	15.9	17.3	18.7	20.2	21.6	23.1	23.3	23.3
-82.5°	8.6	9.5	10.4	11.2	12.0	12.8	13.6	14.3	15.0	15.2	15.3
-85°	6.2	6.7	7.3	7.9	8.5	9.0	9.6	10.2	10.9	10.9	11.0
-87.5°	5.3	5.6	5.9	6.2	6.5	6.8	7.2	7.5	7.7	7.7	7.7
-90°	4.4	4.1	3.9	3.6	3.3	3.0	2.8	2.5	2.2	1.9	1.7



REPORT NUMBER: P731444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.0	7.7	7.7	7.7	7.7	7.7	8.0	8.3	8.6	8.9	8.0
87.5°	1.4	1.1	0.6	0.0	0.6	1.1	1.4	1.7	1.9	2.2	2.5
85°	1.7	1.1	1.1	1.1	1.1	1.1	1.7	2.2	2.7	3.2	3.5
82.5°	1.7	1.1	1.1	1.1	1.1	1.1	1.7	2.2	2.8	3.3	3.6
80°	1.7	1.1	1.1	1.1	1.1	1.1	1.7	2.2	2.8	3.3	3.6
77.5°	1.7	1.1	1.1	1.1	1.1	1.1	1.7	2.3	2.8	3.3	3.6
75°	2.5	2.2	1.7	1.1	1.7	2.2	2.5	2.7	3.0	3.4	3.6
72.5°	3.5	3.3	3.3	3.3	3.3	3.3	3.5	3.8	4.0	4.3	4.6
70°	3.9	3.4	3.3	3.3	3.3	3.4	3.9	4.5	4.9	5.4	5.9
67.5°	5.4	5.4	5.0	4.4	5.0	5.4	5.4	5.4	5.4	5.8	6.3
65°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.8	6.4
62.5°	4.5	4.4	4.4	4.4	4.4	4.4	4.5	4.6	4.7	5.2	6.0
60°	3.8	3.4	3.3	3.3	3.3	3.4	3.8	4.1	4.4	4.7	5.3
57.5°	3.7	3.4	3.3	3.3	3.3	3.4	3.7	4.0	4.4	4.7	5.0
55°	3.8	3.4	3.3	3.3	3.3	3.4	3.8	4.1	4.4	4.7	5.1
52.5°	3.8	3.4	3.7	4.4	3.7	3.4	3.8	4.1	4.5	4.8	5.1
50°	4.7	4.5	4.4	4.4	4.4	4.5	4.7	5.0	5.2	5.4	5.4
47.5°	6.3	5.8	5.5	5.5	5.5	5.8	6.3	6.7	7.0	7.3	7.4
45°	9.0	8.2	7.7	7.7	7.7	8.2	9.0	9.6	9.7	9.7	9.7
42.5°	13.6	13.3	13.2	13.3	13.2	13.3	13.6	13.7	14.6	13.6	11.9
40°	29.2	29.6	29.5	29.9	29.5	29.6	29.2	27.6	27.4	25.8	25.4
37.5°	54.9	53.1	50.3	50.9	50.3	53.1	54.9	54.7	52.9	46.5	48.0
35°	107.2	109.9	109.8	110.7	109.8	109.9	107.2	106.6	101.7	87.6	91.4
32.5°	248.1	261.2	261.5	266.8	261.5	261.2	248.1	229.2	203.2	179.5	164.0
30°	487.3	497.8	482.0	489.3	482.0	497.8	487.3	464.5	390.7	341.7	283.9
27.5°	919.3	958.0	957.6	941.0	957.6	958.0	919.3	864.5	758.9	658.6	511.7
25°	1614.8	1674.6	1663.6	1644.0	1663.6	1674.6	1614.8	1481.4	1322.9	1169.7	958.6
22.5°	2546.0	2644.9	2724.0	2672.5	2724.0	2644.9	2546.0	2366.1	2168.1	1905.3	1695.8
20°	4161.4	4189.6	4273.7	4243.5	4273.7	4189.6	4161.4	3735.0	3445.1	3119.3	2747.6
17.5°	8548.2	8854.8	8641.4	7992.1	8641.4	8854.8	8548.2	7401.5	6978.3	6194.7	5124.4
15°	17310.9	18596.3	19594.3	19046.5	19594.3	18596.3	17310.9	15972.3	14066.4	12256.3	10214.2
12.5°	28349.0	29297.4	29931.9	29978.5	29931.9	29297.4	28349.0	26369.6	22992.1	20121.1	16822.3
10°	40689.7	41527.7	42650.3	42808.1	42650.3	41527.7	40689.7	37961.9	33939.4	29287.1	24441.5
7.5°	51078.9	52778.4	53565.2	53459.5	53565.2	52778.4	51078.9	48813.6	44249.0	38939.3	32530.7
5°	60370.4	62131.0	62902.2	63030.3	62902.2	62131.0	60370.4	57587.1	52877.5	46865.2	39295.6
2.5°	68255.9	70033.4	70959.9	70705.8	70959.9	70033.4	68255.9	65145.9	59954.0	53468.0	44448.2
0°	70807.1	72207.0	72983.6	72770.5	72983.6	72207.0	70807.1	68312.3	63521.3	57040.9	47602.9
-2.5°	69185.3	70028.9	70614.2	70388.0	70614.2	70028.9	69185.3	67018.8	62715.8	56131.8	46807.1
-5°	67388.0	68389.0	68607.9	68875.8	68607.9	68389.0	67388.0	65086.2	60134.9	53420.9	44476.5
-7.5°	58309.0	59379.8	59733.3	60269.2	59733.3	59379.8	58309.0	56943.8	53355.0	47281.9	38933.7
-10°	50904.8	52105.7	52163.7	52494.1	52163.7	52105.7	50904.8	49052.2	45647.6	40321.7	33188.3
-12.5°	44702.9	46355.5	46903.8	46772.6	46903.8	46355.5	44702.9	41574.4	38630.9	33014.7	28307.7
-15°	35716.2	37127.9	37228.7	37294.7	37228.7	37127.9	35716.2	32323.0	29774.2	26266.1	23200.8
-17.5°	29111.9	30483.8	31012.6	31176.9	31012.6	30483.8	29111.9	26869.1	24755.5	22223.1	19631.6
-20°	24273.4	25294.7	25940.7	26208.3	25940.7	25294.7	24273.4	22854.3	21201.1	19276.7	17159.2



REPORT NUMBER: P731444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19941.6	20589.0	20825.1	20884.3	20825.1	20589.0	19941.6	18915.6	17741.7	16186.7	14586.5
-25°	16178.9	16693.1	16992.1	17116.8	16992.1	16693.1	16178.9	15471.3	14463.9	13343.4	12094.3
-27.5°	13282.7	13740.3	14028.0	14072.3	14028.0	13740.3	13282.7	12730.9	11880.2	11126.2	10176.9
-30°	11093.1	11495.0	11763.9	11837.1	11763.9	11495.0	11093.1	10633.4	10032.9	9316.3	8457.4
-32.5°	9191.8	9535.7	9746.7	9837.7	9746.7	9535.7	9191.8	8759.0	8233.6	7643.9	6978.3
-35°	7429.8	7661.0	7796.2	7751.9	7796.2	7661.0	7429.8	7134.8	6739.7	6243.0	5746.1
-37.5°	6090.8	6276.9	6378.1	6383.5	6378.1	6276.9	6090.8	5821.9	5486.6	5104.1	4641.1
-40°	4829.9	5018.9	5132.7	5139.1	5132.7	5018.9	4829.9	4588.2	4296.4	3937.1	3448.8
-42.5°	3531.8	3725.3	3857.5	3943.5	3857.5	3725.3	3531.8	3260.1	2918.4	2520.4	2091.3
-45°	2019.7	2186.9	2314.3	2406.8	2314.3	2186.9	2019.7	1800.7	1538.3	1218.4	880.9
-47.5°	892.6	919.7	931.5	927.7	931.5	919.7	892.6	855.7	806.2	748.6	687.2
-50°	685.8	701.8	709.8	709.6	709.8	701.8	685.8	667.3	647.2	625.3	601.4
-52.5°	596.9	600.9	603.4	604.5	603.4	600.9	596.9	591.7	585.3	577.1	568.1
-55°	563.9	572.3	575.5	574.6	575.5	572.3	563.9	553.1	540.0	524.7	507.4
-57.5°	485.0	495.4	502.3	505.9	502.3	495.4	485.0	472.0	456.7	438.4	417.4
-60°	377.9	384.1	388.0	389.7	388.0	384.1	377.9	368.9	357.0	341.8	324.5
-62.5°	290.2	297.3	300.8	302.2	300.8	297.3	290.2	281.8	272.2	261.3	247.8
-65°	225.4	230.6	233.4	234.7	233.4	230.6	225.4	219.2	212.0	202.0	189.4
-67.5°	165.6	167.9	169.0	169.4	169.0	167.9	165.6	162.3	158.0	150.9	140.5
-70°	123.6	127.0	129.1	130.6	129.1	127.0	123.6	119.8	115.7	110.2	102.4
-72.5°	89.2	90.9	92.2	93.0	92.2	90.9	89.2	87.1	84.6	80.9	75.1
-75°	56.5	57.1	57.5	57.6	57.5	57.1	56.5	55.7	54.6	52.9	49.6
-77.5°	36.7	37.3	38.1	38.7	38.1	37.3	36.7	36.0	35.2	34.2	31.9
-80°	23.2	23.1	23.2	23.2	23.2	23.1	23.2	23.3	23.3	23.1	21.6
-82.5°	15.4	15.4	15.5	15.5	15.5	15.4	15.4	15.3	15.2	15.0	14.3
-85°	11.0	11.1	11.1	11.1	11.1	11.1	11.0	11.0	10.9	10.9	10.2
-87.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.5
-90°	1.4	1.1	0.5	0.0	0.5	1.1	1.4	1.7	1.9	2.2	2.5



REPORT NUMBER: P731444 (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°	7.2	6.3	5.5	5.2	5.0	4.7	4.4	4.4	4.4	4.4	4.4
87.5°	2.8	3.0	3.3	3.6	3.9	4.1	4.4	4.4	4.4	4.4	4.4
85°	3.7	4.0	4.2	4.2	4.3	4.3	4.4	4.4	4.4	4.4	4.4
82.5°	3.9	4.1	4.4	4.4	4.4	4.4	4.4	4.5	4.6	4.6	4.5
80°	3.9	4.2	4.4	4.4	4.4	4.4	4.4	4.7	5.0	5.2	5.3
77.5°	3.9	4.2	4.4	4.5	4.6	4.6	4.6	4.7	5.0	5.3	5.5
75°	3.9	4.2	4.5	4.9	5.2	5.4	5.5	5.6	5.7	5.8	5.7
72.5°	4.9	5.2	5.4	5.7	5.9	6.2	6.4	6.5	6.6	6.6	6.4
70°	6.3	6.7	7.4	8.1	8.5	8.7	8.5	8.1	7.6	7.4	7.1
67.5°	6.9	7.5	8.7	10.0	10.9	11.6	11.5	10.9	10.2	9.6	8.3
65°	7.0	7.6	9.2	10.9	12.4	13.8	15.1	15.3	14.6	13.0	10.0
62.5°	6.8	7.6	8.7	10.1	12.0	14.9	18.4	19.9	20.1	17.7	13.6
60°	5.9	6.7	7.7	8.8	10.1	14.1	19.8	24.0	26.5	22.5	16.9
57.5°	5.3	5.7	6.5	7.4	8.6	13.4	19.8	26.8	31.4	25.3	19.8
55°	5.4	5.7	6.0	6.3	7.0	11.9	18.0	25.0	29.4	26.1	19.9
52.5°	5.5	5.8	6.1	6.4	7.5	10.5	14.7	21.3	23.8	21.3	18.0
50°	5.5	5.9	6.2	6.5	7.6	9.6	12.8	17.3	17.5	16.7	14.1
47.5°	7.3	7.0	6.5	6.7	7.5	8.8	11.1	13.1	13.7	12.9	11.0
45°	9.6	9.2	8.6	8.2	7.9	8.5	9.7	11.1	11.6	11.2	9.2
42.5°	13.5	12.8	11.4	11.5	10.4	9.7	9.7	10.7	10.8	10.5	10.3
40°	24.8	21.2	20.9	18.6	16.1	13.1	12.8	12.2	12.0	10.8	12.7
37.5°	46.9	41.7	41.4	38.5	31.3	21.9	18.6	16.5	14.8	15.8	17.3
35°	83.3	76.2	72.4	67.5	58.7	43.3	28.5	23.2	21.1	22.3	23.5
32.5°	149.1	139.7	114.5	105.1	106.1	78.3	51.2	33.6	31.9	31.3	30.3
30°	242.6	242.3	206.3	179.7	191.5	159.3	86.2	62.7	47.9	42.5	38.5
27.5°	459.1	402.6	357.1	337.0	318.1	276.0	194.3	107.5	71.9	57.8	51.1
25°	834.2	663.6	621.4	557.8	487.7	442.6	329.8	205.7	120.9	78.3	75.8
22.5°	1424.7	1242.5	1052.0	837.8	774.4	680.9	531.7	321.5	195.8	146.6	114.2
20°	2467.4	2137.8	1733.2	1598.7	1329.3	986.1	784.6	607.9	440.9	265.9	164.5
17.5°	4766.9	3819.3	3296.2	3012.5	2310.8	1593.7	1480.4	1227.9	790.4	416.3	224.6
15°	8374.8	7476.6	6451.3	5153.4	3983.5	3228.2	2680.6	2024.4	1273.0	670.2	360.9
12.5°	14193.5	12206.0	10350.4	8012.1	6580.9	5309.8	4238.9	3095.2	1955.4	1119.2	598.9
10°	20278.0	17415.3	14550.3	11596.6	9366.5	7609.4	5799.9	4070.8	2682.6	1650.2	871.3
7.5°	27023.9	23022.8	19031.2	15008.0	11925.0	9543.8	7090.7	4915.9	3354.3	2200.1	1164.4
5°	32429.0	27422.0	22560.4	17825.4	14269.7	11476.5	8404.3	5682.0	3967.1	2745.7	1461.6
2.5°	36018.7	30319.2	25562.5	20289.6	16324.8	13091.8	9610.6	6437.3	4419.3	3059.8	1584.1
0°	38563.5	32455.6	27212.4	21291.7	17301.7	13847.6	10584.9	7174.0	4766.0	3275.9	1672.8
-2.5°	37913.2	31729.7	26902.7	20958.6	16904.8	13675.3	10375.2	7546.0	5177.9	3461.1	1702.2
-5°	35334.4	29278.9	24575.2	19348.2	15541.0	12641.3	9720.5	7399.0	5273.1	3491.5	1689.2
-7.5°	31647.9	26380.9	21881.4	17331.6	13862.4	11232.4	8752.4	6709.9	4836.4	3160.5	1565.8
-10°	27351.8	22977.7	18936.4	15181.3	12249.5	9786.5	7733.2	5977.4	4343.5	2777.4	1403.3
-12.5°	23531.6	19647.5	16048.1	12984.4	10816.1	8618.8	6839.8	5276.2	3809.3	2357.4	1203.1
-15°	19624.7	16841.7	14012.7	11466.8	9387.8	7499.8	6016.9	4713.2	3330.1	1919.7	966.8
-17.5°	17209.2	14553.3	12117.3	10200.4	8185.6	6512.6	5328.3	4146.4	2816.7	1528.2	730.3
-20°	15187.4	12843.8	10772.3	8883.6	7109.7	5683.2	4706.1	3531.0	2244.7	1208.4	658.5



REPORT NUMBER: P731444 (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°	13096.3	11360.9	9503.8	7612.3	6094.5	4989.7	3998.9	2866.5	1618.4	861.7	582.4
-25°	11045.1	9816.1	8253.5	6703.9	5271.6	4213.9	3263.0	2165.4	1221.2	651.4	509.4
-27.5°	9228.1	8193.8	7200.7	5852.9	4656.6	3515.8	2502.0	1506.4	809.2	572.6	472.9
-30°	7587.3	6815.9	6023.2	5100.0	3967.6	2845.6	1739.4	1033.2	634.4	504.8	444.6
-32.5°	6236.3	5640.5	4966.8	4177.7	3124.6	1992.5	1194.5	675.0	541.0	474.0	435.1
-35°	5183.5	4576.6	3921.2	3057.7	2057.0	1279.6	717.4	581.3	495.4	449.2	430.8
-37.5°	4114.5	3491.0	2697.8	1876.1	1210.6	739.1	614.6	526.7	465.4	444.2	413.7
-40°	2848.5	2168.0	1562.3	957.2	730.2	627.1	553.4	492.3	465.1	429.8	389.2
-42.5°	1594.0	1073.4	785.8	695.9	615.0	564.6	517.4	489.7	452.8	405.2	352.8
-45°	801.3	720.0	645.4	603.9	558.3	531.2	511.2	469.2	421.4	366.6	312.0
-47.5°	650.3	616.0	580.7	559.0	538.6	513.7	472.9	429.4	373.5	320.5	274.3
-50°	583.1	568.9	554.6	535.3	498.5	460.9	417.0	369.8	321.2	277.2	235.7
-52.5°	556.2	530.9	502.8	472.1	432.9	390.7	348.4	311.4	271.9	234.4	198.5
-55°	488.2	459.1	425.4	390.0	354.2	320.9	287.6	256.1	225.9	192.6	163.9
-57.5°	393.7	367.8	340.6	312.4	283.3	256.2	230.2	204.5	182.2	156.1	130.3
-60°	305.4	284.4	263.6	241.6	218.5	195.9	178.4	160.0	140.9	121.0	100.1
-62.5°	231.4	211.8	196.3	181.8	165.6	148.4	133.8	119.9	104.4	87.7	74.4
-65°	176.2	162.5	149.2	135.8	122.1	108.3	96.2	85.2	75.1	64.2	53.0
-67.5°	129.1	116.7	105.0	95.0	86.6	76.9	68.3	59.5	53.2	47.6	41.2
-70°	94.6	86.6	78.9	70.5	62.4	55.4	50.3	45.7	40.7	35.3	29.8
-72.5°	69.2	63.5	57.7	52.1	46.9	41.7	36.7	32.1	27.6	23.4	19.5
-75°	46.0	42.3	38.3	34.1	29.7	25.1	22.2	20.3	18.3	16.2	13.7
-77.5°	29.6	27.2	24.9	22.5	20.2	18.0	15.9	14.3	12.9	11.7	10.5
-80°	20.2	18.7	17.3	15.9	14.6	13.4	12.2	11.1	10.1	9.2	8.4
-82.5°	13.6	12.8	12.0	11.2	10.4	9.5	8.6	8.1	7.6	7.2	6.9
-85°	9.6	9.0	8.5	7.9	7.3	6.7	6.2	6.1	6.1	6.0	6.0
-87.5°	7.2	6.8	6.5	6.2	5.9	5.6	5.3	5.3	5.2	5.2	5.2
-90°	2.8	3.0	3.3	3.6	3.9	4.1	4.4	4.4	4.4	4.4	4.4



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.6	4.6
85°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.6	4.8	4.9
82.5°	4.4	4.4	4.4	4.4	4.6	4.7	4.7	4.7	4.8	5.0	5.2
80°	5.2	5.0	4.9	4.7	4.8	5.0	5.1	5.2	5.1	5.2	5.3
77.5°	5.5	5.5	5.5	5.3	5.3	5.3	5.3	5.5	5.4	5.3	5.4
75°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
72.5°	6.0	5.7	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
70°	6.5	5.9	5.6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
67.5°	7.2	6.6	6.0	5.6	5.5	5.5	5.5	5.5	5.5	5.5	5.5
65°	8.5	7.3	6.5	6.0	5.6	5.5	5.5	5.5	5.5	5.5	5.5
62.5°	10.3	8.1	7.1	6.4	5.9	5.6	5.5	5.5	5.5	5.5	5.5
60°	12.6	9.5	7.7	6.9	6.2	5.6	5.5	5.5	5.5	5.5	5.5
57.5°	14.4	10.4	8.9	7.6	6.6	5.9	5.5	5.5	5.5	5.5	5.5
55°	15.2	11.3	10.0	8.7	7.3	6.3	5.7	5.5	5.5	5.5	5.5
52.5°	13.5	11.7	10.9	9.6	8.3	6.8	6.1	5.5	5.5	5.5	5.5
50°	10.6	11.1	11.1	10.2	9.1	7.7	6.5	5.8	5.5	5.5	5.6
47.5°	9.4	10.4	10.6	10.5	9.5	8.5	7.1	6.2	5.5	5.5	5.6
45°	9.6	10.0	10.4	10.2	9.8	8.9	7.7	6.6	5.8	5.6	5.7
42.5°	10.6	10.7	10.5	10.0	9.9	9.2	8.2	7.0	6.1	5.7	5.9
40°	12.8	12.1	11.2	11.0	10.1	9.5	8.5	7.3	6.4	6.0	6.0
37.5°	15.7	14.5	12.9	13.2	11.0	9.8	8.7	7.6	6.9	6.4	6.2
35°	21.6	17.7	16.7	16.6	13.9	10.3	8.9	7.8	7.4	6.8	6.4
32.5°	29.3	23.8	22.2	20.7	17.8	10.8	9.3	8.5	7.9	7.2	6.6
30°	37.5	34.6	28.6	25.2	22.3	14.4	10.3	9.4	8.4	7.6	6.9
27.5°	50.6	46.7	36.6	31.1	26.6	19.1	12.4	10.4	9.0	8.0	7.2
25°	68.1	60.2	48.0	37.8	31.2	30.2	14.9	11.5	9.8	8.4	7.5
22.5°	92.8	75.9	60.3	44.9	49.5	44.4	20.9	13.5	10.6	8.9	7.8
20°	121.3	93.8	79.3	75.4	72.3	60.1	31.4	15.7	11.5	9.4	8.1
17.5°	155.6	137.8	131.9	113.9	97.8	78.1	43.6	18.2	12.5	9.9	8.4
15°	253.2	215.8	190.2	156.9	125.4	98.0	56.9	20.8	13.5	10.4	8.6
12.5°	368.8	298.6	252.8	203.5	154.5	119.3	71.1	23.5	14.4	10.8	8.7
10°	488.6	384.7	318.4	252.5	184.7	141.5	85.5	26.5	15.7	11.1	8.8
7.5°	610.3	472.5	385.6	302.6	214.7	163.3	101.4	30.1	17.1	11.4	8.8
5°	720.8	548.8	440.6	342.9	241.3	183.7	116.9	33.6	18.5	11.7	8.9
2.5°	781.5	604.6	485.9	379.4	267.0	202.8	131.3	36.9	19.8	12.0	8.9
0°	834.8	656.5	528.1	412.9	291.2	220.3	143.9	39.9	21.0	12.2	8.9
-2.5°	835.1	648.2	526.4	423.1	303.2	227.0	149.4	48.7	26.4	15.2	9.9
-5°	826.9	636.0	522.2	429.8	312.8	231.7	152.7	56.9	31.5	18.0	10.9
-7.5°	789.9	611.7	511.5	431.2	319.5	234.5	154.2	64.4	36.2	20.6	11.8
-10°	740.5	579.3	492.0	417.7	316.8	233.8	153.8	70.9	40.4	22.9	12.5
-12.5°	683.7	545.3	473.1	403.0	310.6	230.0	151.0	75.9	44.0	24.7	13.1
-15°	619.8	510.3	455.5	387.6	302.3	224.7	147.0	79.6	47.0	26.3	13.5
-17.5°	551.4	475.0	440.1	372.1	292.1	218.1	142.1	82.0	49.1	27.6	14.2
-20°	515.1	451.8	425.9	357.3	280.0	210.2	136.5	83.2	50.4	28.4	14.9



REPORT NUMBER: P731444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	483.2	439.7	405.3	341.7	267.4	201.1	130.4	83.0	50.7	28.6	15.5
-25°	450.6	428.2	384.8	321.1	255.2	191.5	126.6	81.3	50.0	28.3	15.7
-27.5°	432.4	414.0	364.6	299.0	238.5	182.0	124.1	80.3	48.7	27.3	15.7
-30°	420.9	391.3	339.8	276.5	220.5	167.4	119.8	78.0	47.5	26.7	15.4
-32.5°	412.1	369.6	312.5	255.3	202.4	151.9	110.9	74.2	45.4	26.3	15.3
-35°	392.9	342.9	284.3	232.8	183.9	139.0	100.3	68.9	42.4	25.4	15.0
-37.5°	371.0	312.6	258.6	210.3	164.6	125.2	90.5	61.8	38.5	24.2	14.3
-40°	336.3	282.2	232.7	188.4	147.5	110.6	79.8	55.0	35.9	22.5	13.3
-42.5°	300.1	252.3	207.5	165.8	130.7	97.8	68.6	47.8	32.7	20.8	12.0
-45°	266.0	222.0	181.7	146.2	113.4	83.9	60.0	40.5	29.0	18.9	10.8
-47.5°	231.0	192.5	157.1	125.3	97.0	70.4	50.9	35.9	25.0	16.4	10.1
-50°	197.7	163.7	133.0	105.4	79.4	59.9	42.3	30.9	21.4	13.2	9.4
-52.5°	165.9	136.2	110.0	85.5	65.8	48.7	36.2	25.7	17.6	11.5	8.5
-55°	135.4	110.5	87.6	68.9	52.7	40.3	29.6	21.1	13.5	10.2	7.6
-57.5°	107.7	85.8	69.1	53.8	42.2	32.4	23.7	16.3	11.5	9.0	7.4
-60°	81.2	66.5	52.1	42.3	33.4	25.2	18.1	12.4	10.1	7.9	7.1
-62.5°	61.0	49.0	40.7	32.7	25.4	18.7	12.9	10.8	8.6	7.6	6.9
-65°	45.8	38.2	30.4	24.2	18.1	13.3	11.1	9.2	8.0	7.3	6.7
-67.5°	34.4	28.0	21.7	16.1	13.1	11.0	9.2	8.4	7.7	7.0	6.7
-70°	24.2	18.6	14.6	12.2	10.2	8.8	8.5	7.9	7.3	6.9	6.7
-72.5°	16.4	13.5	10.8	8.9	8.6	8.3	7.9	7.5	7.1	6.8	6.6
-75°	11.3	9.9	8.8	8.2	7.9	7.7	7.4	7.1	6.8	6.6	6.4
-77.5°	9.5	8.6	8.0	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.0
-80°	8.0	7.5	7.2	6.9	6.8	6.6	6.4	6.3	6.1	5.9	5.7
-82.5°	6.6	6.5	6.4	6.3	6.2	6.0	5.9	5.8	5.7	5.5	5.4
-85°	5.9	5.8	5.7	5.7	5.6	5.5	5.4	5.3	5.2	5.2	5.1
-87.5°	5.1	5.1	5.1	5.0	5.0	4.9	4.9	4.9	4.8	4.8	4.7
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4



REPORT NUMBER: P731444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	4.7	4.6	4.6	4.5	4.5	4.4	4.4
85°	5.0	4.9	4.8	4.7	4.6	4.4	4.4
82.5°	5.3	5.1	5.0	4.8	4.7	4.5	4.4
80°	5.5	5.3	5.2	5.0	4.8	4.5	4.4
77.5°	5.5	5.5	5.3	5.1	4.9	4.5	4.4
75°	5.5	5.5	5.5	5.3	4.9	4.5	4.4
72.5°	5.5	5.5	5.5	5.4	5.0	4.6	4.4
70°	5.5	5.5	5.5	5.5	5.1	4.6	4.4
67.5°	5.5	5.5	5.5	5.5	5.2	4.6	4.4
65°	5.5	5.5	5.5	5.5	5.2	4.6	4.4
62.5°	5.5	5.5	5.5	5.5	5.3	4.6	4.4
60°	5.5	5.5	5.5	5.5	5.4	4.6	4.4
57.5°	5.5	5.5	5.5	5.5	5.3	4.6	4.4
55°	5.5	5.5	5.5	5.5	5.3	4.7	4.4
52.5°	5.5	5.5	5.5	5.5	5.3	4.7	4.4
50°	5.5	5.5	5.5	5.5	5.3	4.7	4.4
47.5°	5.5	5.5	5.5	5.5	5.3	4.7	4.4
45°	5.6	5.5	5.5	5.5	5.3	4.7	4.4
42.5°	5.7	5.5	5.5	5.5	5.3	4.7	4.4
40°	5.8	5.5	5.5	5.5	5.3	4.7	4.4
37.5°	6.0	5.5	5.5	5.5	5.3	4.7	4.4
35°	6.1	5.6	5.5	5.5	5.3	4.7	4.4
32.5°	6.3	5.7	5.5	5.5	5.3	4.6	4.4
30°	6.5	5.8	5.5	5.5	5.4	4.6	4.4
27.5°	6.6	5.9	5.5	5.5	5.4	4.6	4.4
25°	6.8	6.1	5.5	5.5	5.4	4.6	4.4
22.5°	7.0	6.2	5.5	5.5	5.4	4.6	4.4
20°	7.3	6.3	5.5	5.5	5.4	4.6	4.4
17.5°	7.4	6.3	5.5	5.5	5.4	4.6	4.4
15°	7.5	6.4	5.5	5.5	5.4	4.5	4.4
12.5°	7.5	6.5	5.5	5.5	5.5	4.5	4.4
10°	7.6	6.5	5.5	5.5	5.5	4.5	4.4
7.5°	7.6	6.6	5.5	5.5	5.5	4.5	4.4
5°	7.7	6.6	5.5	5.5	5.5	4.4	4.4
2.5°	7.7	6.6	5.5	5.5	5.5	4.4	4.4
0°	7.7	6.6	5.5	5.5	5.5	4.4	4.4
-2.5°	7.9	6.7	5.6	5.5	5.5	4.4	4.4
-5°	8.0	6.8	5.7	5.5	5.5	4.4	4.4
-7.5°	8.1	6.9	5.8	5.5	5.5	4.5	4.4
-10°	8.2	7.0	5.9	5.5	5.5	4.5	4.4
-12.5°	8.3	7.1	5.9	5.5	5.5	4.5	4.4
-15°	8.4	7.1	6.0	5.5	5.4	4.5	4.4
-17.5°	8.5	7.2	6.0	5.5	5.4	4.6	4.4
-20°	8.7	7.2	6.1	5.5	5.4	4.6	4.4



REPORT NUMBER: P731444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	9.2	7.2	6.1	5.5	5.4	4.6	4.4
-25°	9.6	7.3	6.1	5.5	5.4	4.6	4.4
-27.5°	9.7	7.3	6.1	5.5	5.4	4.6	4.4
-30°	9.6	7.2	6.0	5.5	5.4	4.6	4.4
-32.5°	9.3	7.2	6.0	5.5	5.3	4.6	4.4
-35°	9.1	7.0	5.9	5.5	5.3	4.7	4.4
-37.5°	9.0	6.8	5.8	5.5	5.3	4.7	4.4
-40°	8.7	6.7	5.7	5.5	5.3	4.7	4.4
-42.5°	8.3	6.6	5.7	5.5	5.3	4.7	4.4
-45°	7.9	6.5	5.7	5.5	5.3	4.7	4.4
-47.5°	7.4	6.4	5.8	5.6	5.3	4.7	4.4
-50°	7.1	6.2	5.8	5.6	5.3	4.7	4.4
-52.5°	7.0	6.1	5.8	5.6	5.3	4.7	4.4
-55°	6.8	6.1	5.9	5.6	5.3	4.7	4.4
-57.5°	6.6	6.1	5.9	5.6	5.3	4.6	4.4
-60°	6.4	6.1	5.9	5.6	5.4	4.6	4.4
-62.5°	6.4	6.2	5.9	5.6	5.3	4.6	4.4
-65°	6.5	6.2	5.8	5.6	5.2	4.6	4.4
-67.5°	6.5	6.2	5.7	5.5	5.2	4.6	4.4
-70°	6.5	6.0	5.7	5.5	5.1	4.6	4.4
-72.5°	6.3	5.9	5.6	5.4	5.0	4.6	4.4
-75°	6.1	5.7	5.5	5.3	4.9	4.5	4.4
-77.5°	5.8	5.6	5.3	5.1	4.9	4.5	4.4
-80°	5.5	5.3	5.2	5.0	4.8	4.5	4.4
-82.5°	5.3	5.1	5.0	4.8	4.7	4.5	4.4
-85°	5.0	4.9	4.8	4.7	4.6	4.4	4.4
-87.5°	4.7	4.6	4.6	4.5	4.5	4.4	4.4
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4

(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

