

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: P731707 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-5S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731707 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-32)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-70-5S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

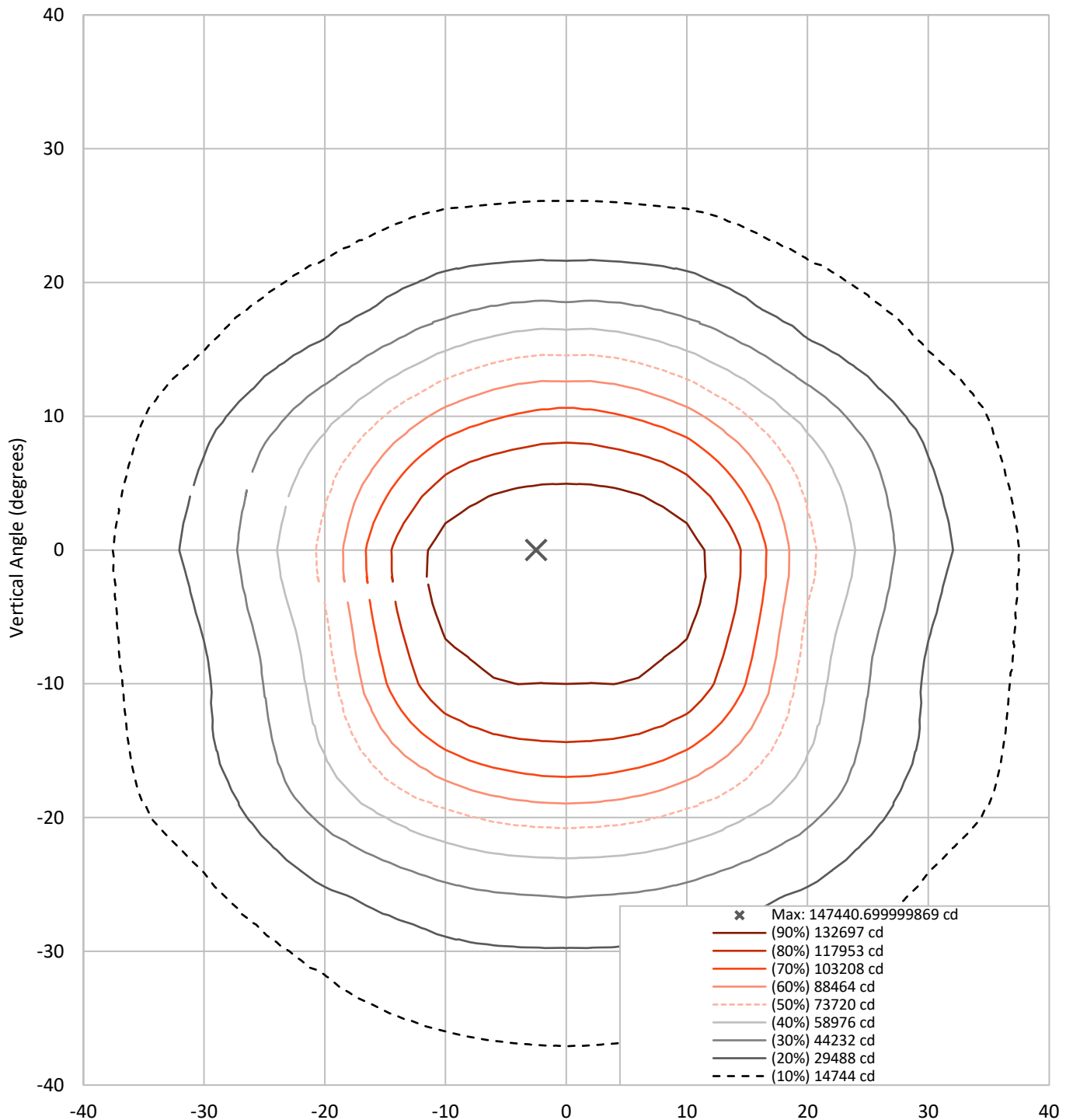
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	72766 lumens	Max Intensity:	147440.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	104.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.5°H x 35.3°V	Field Angle (10%):	75°H x 63°V
Beam Lumens:	40022.8 lumens	Field Lumens:	66662 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%

Input Watts (W): 697.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





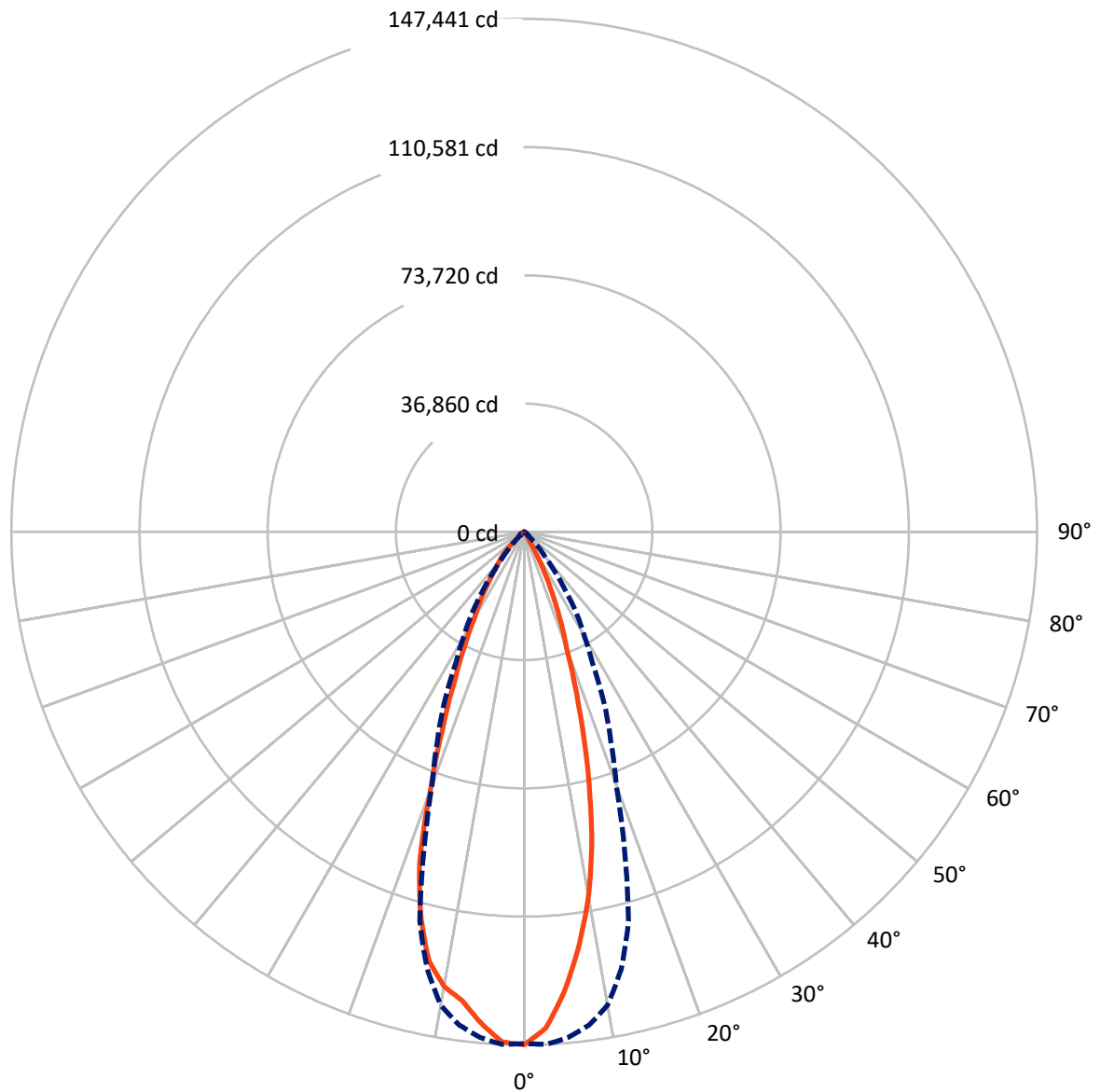
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Lumen Table

90	0.2		0.5		0.7		0.6		0.5		0.6		0.7		0.5		0.2	
80	0.2		0.1		0.2		0.4		0.6		0.4		0.5		0.5		0.4	
70	0.2		0.1		0.3		0.7		0.9		0.5		0.5		0.6		0.4	
60	0.2		0.1		0.3		0.7		0.9		0.5		0.5		0.6		0.4	
50	0.2		0.2		0.4		0.7		0.9		1.2		1.8		2.2		2.2	
40	0.2		0.2		0.9		2.2		5.9		16.4		28.3		36.1		36.1	
30	0.3		0.4		3.2		11.1		64.6		185.8		377.5		545.1		545.1	
20	0.3		0.8		6.9		36.2		229.8		673.5		1380.4		2039.3		2039.3	
10	0.3		1.6		11.7		78.8		472.7		1350.4		2827.4		3858.9		3858.9	
0	0.3		2.7		15.9		95.3		495.1		1382.8		3173.1		4229.2		4229.2	
-10	0.4		3.1		16.4		76.6		420.3		1138.5		2397.5		3301.6		3301.6	
-20	0.4		2.7		13.4		35.9		210.8		609.2		1120.3		1471.1		1471.1	
-30	0.4		2.1		9.3		21.0		61.6		229.5		422.3		551.0		551.0	
-40	0.4		1.2		5.6		14.8		27.2		50.9		114.8		173.2		173.2	
-50	0.3		0.6		2.8		8.3		17.3		28.5		39.1		45.3		45.3	
-60	0.3		0.3		1.0		3.2		7.2		12.7		19.1		22.7		22.7	
-70	0.2		0.8		2.6		6.9		9.6		6.9		2.6		0.8		0.2	
-80	0.2		0.8		2.6		6.9		9.6		6.9		2.6		0.8		0.2	
-90	0.2		0.8		2.6		6.9		9.6		6.9		2.6		0.8		0.2	

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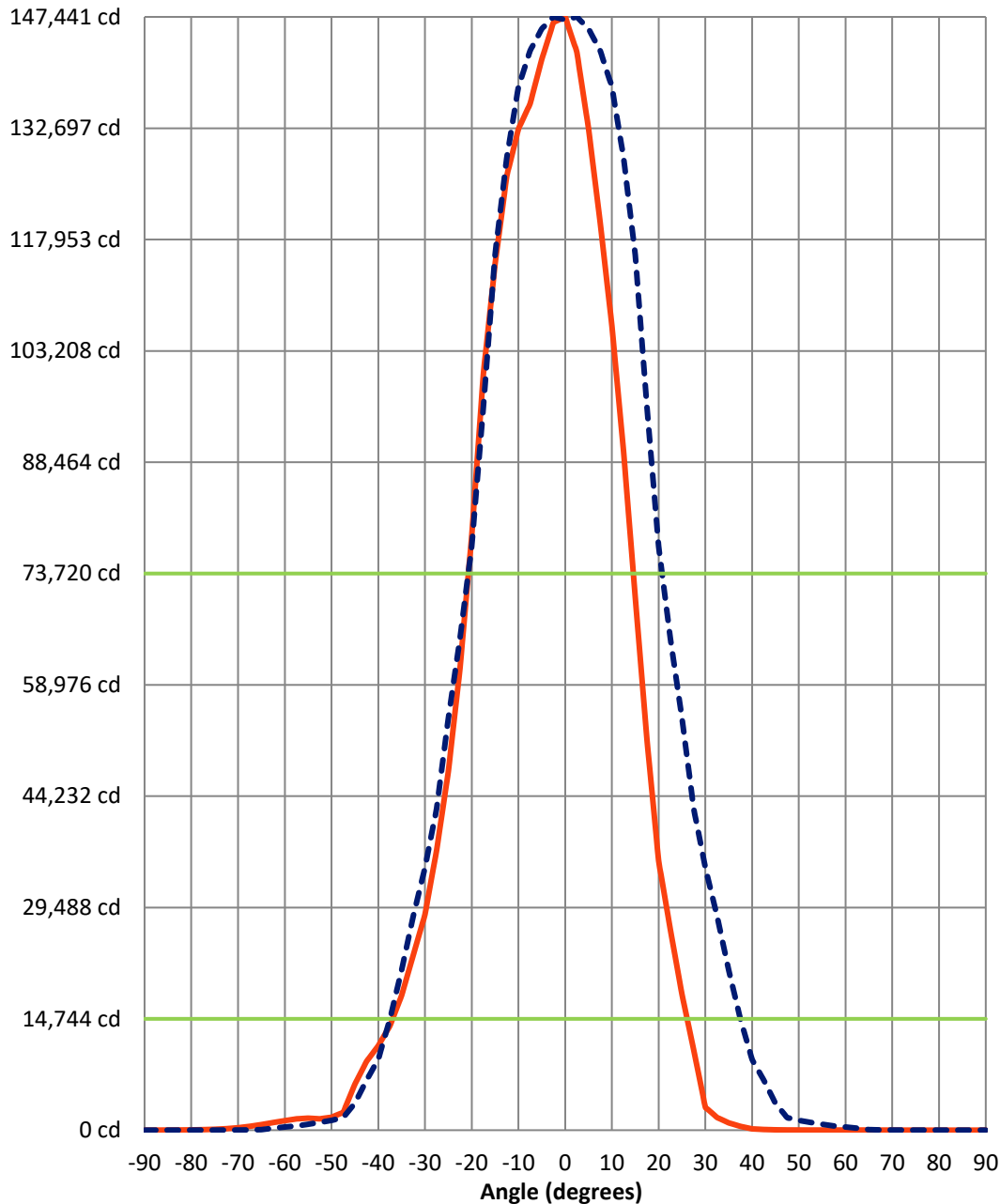
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 41.5°
 V Angle: 35.3°
 Lumens: 40022.8
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 66662
 Efficiency: 91.6%

Spill:
 Lumens: 6104
 Efficiency: 8.4%

— 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°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
85°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
82.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
80°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
77.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
75°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.8	8.7
72.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.7	9.0	9.1	8.8
70°	8.6	8.6	8.6	8.6	8.6	8.6	8.7	9.2	9.5	9.4	9.5
67.5°	8.6	8.6	8.6	8.6	8.6	8.6	9.2	9.8	10.0	9.9	10.2
65°	8.6	8.6	8.6	8.6	8.6	8.8	9.7	10.3	10.2	10.4	10.7
62.5°	8.6	8.6	8.6	8.6	8.6	9.2	10.2	10.6	10.5	10.7	10.7
60°	8.6	8.6	8.6	8.6	8.6	9.6	10.6	10.7	10.7	10.7	10.7
57.5°	8.6	8.6	8.6	8.6	8.9	10.0	10.7	10.7	10.7	10.7	10.7
55°	8.6	8.6	8.6	8.6	9.2	10.4	10.7	10.7	10.7	10.7	10.7
52.5°	8.6	8.6	8.6	8.6	9.5	10.7	10.7	10.7	10.7	10.7	10.7
50°	8.6	8.6	8.6	8.6	9.8	10.7	10.7	10.7	10.7	10.7	11.4
47.5°	8.6	8.6	8.6	8.6	10.1	10.7	10.7	10.7	10.7	10.7	12.1
45°	8.6	8.6	8.6	8.8	10.3	10.7	10.7	10.7	10.8	11.3	12.8
42.5°	8.6	8.6	8.6	9.0	10.6	10.7	10.7	10.8	10.9	11.9	13.5
40°	8.6	8.6	8.6	9.2	10.7	10.7	10.7	11.0	11.3	12.5	14.1
37.5°	8.6	8.6	8.6	9.3	10.7	10.7	10.7	11.2	11.9	13.2	14.7
35°	8.6	8.6	8.6	9.4	10.7	10.7	10.7	11.4	12.5	14.0	15.2
32.5°	8.6	8.6	8.6	9.5	10.7	10.7	10.8	11.7	13.1	14.8	16.3
30°	8.6	8.6	8.6	9.5	10.7	10.7	11.0	12.1	13.7	15.7	17.6
27.5°	8.6	8.6	8.6	9.6	10.6	10.7	11.2	12.6	14.3	16.6	19.0
25°	8.6	8.6	8.6	9.6	10.6	10.7	11.5	13.0	15.0	17.7	20.6
22.5°	8.6	8.6	8.6	9.5	10.6	10.7	11.8	13.4	15.7	18.9	24.3
20°	8.6	8.6	8.6	9.5	10.5	10.7	12.1	13.8	16.5	20.2	28.0
17.5°	8.6	8.6	8.6	9.4	10.5	10.7	12.3	14.2	17.2	21.5	31.7
15°	8.6	8.6	8.6	9.3	10.6	10.7	12.4	14.5	17.9	22.9	35.4
12.5°	8.6	8.6	8.6	9.2	10.6	10.7	12.6	14.6	18.6	24.2	39.1
10°	8.6	8.6	8.6	9.1	10.6	10.7	12.7	14.8	19.3	26.2	43.9
7.5°	8.6	8.6	8.6	9.0	10.6	10.7	12.8	14.9	19.9	28.4	51.9
5°	8.6	8.6	8.6	8.9	10.7	10.7	12.8	14.9	20.5	30.5	59.9
2.5°	8.6	8.6	8.6	8.7	10.7	10.7	12.9	15.0	21.1	32.5	67.8
0°	8.6	8.6	8.6	8.6	10.7	10.7	12.9	15.0	21.5	34.4	75.2
-2.5°	8.6	8.6	8.6	8.7	10.7	11.2	13.7	17.0	27.3	47.1	97.2
-5°	8.6	8.6	8.6	8.9	10.7	11.6	14.5	18.9	32.8	59.2	117.9
-7.5°	8.6	8.6	8.6	9.0	10.6	12.1	15.3	20.8	37.8	70.4	136.6
-10°	8.6	8.6	8.6	9.1	10.6	12.4	16.0	22.4	42.2	80.2	153.0
-12.5°	8.6	8.6	8.6	9.2	10.6	12.8	16.6	23.8	45.8	88.5	164.3
-15°	8.6	8.6	8.6	9.3	10.6	13.0	17.2	25.0	49.3	95.5	172.1
-17.5°	8.6	8.6	8.6	9.4	10.5	13.2	17.6	26.8	52.7	100.8	177.2
-20°	8.6	8.6	8.6	9.5	10.5	13.3	18.2	28.7	55.0	103.9	179.6



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.6	8.6	8.6	9.5	10.6	13.3	18.8	30.1	55.8	104.9	179.1
-25°	8.6	8.6	8.6	9.6	10.6	13.2	19.2	30.8	55.2	103.5	175.4
-27.5°	8.6	8.6	8.6	9.6	10.6	13.1	19.2	30.8	53.1	100.9	173.4
-30°	8.6	8.6	8.6	9.5	10.7	12.8	18.9	30.2	51.9	98.4	168.3
-32.5°	8.6	8.6	8.6	9.5	10.8	12.5	18.2	29.7	51.2	93.6	159.9
-35°	8.6	8.6	8.6	9.4	10.9	12.1	17.6	28.9	49.4	86.6	148.0
-37.5°	8.6	8.6	8.6	9.3	11.0	11.8	17.1	27.5	46.5	77.3	130.6
-40°	8.6	8.6	8.6	9.2	11.0	11.9	16.4	25.6	42.5	71.1	114.4
-42.5°	8.6	8.6	8.6	9.1	11.0	12.0	15.6	23.1	39.0	63.9	97.3
-45°	8.6	8.6	8.6	8.9	10.8	12.0	14.6	20.8	35.4	55.7	80.8
-47.5°	8.6	8.6	8.6	8.8	10.6	12.0	13.6	19.5	31.0	47.1	71.0
-50°	8.6	8.6	8.6	8.8	10.4	11.9	13.3	18.0	25.6	40.9	60.6
-52.5°	8.6	8.6	8.6	8.8	10.1	11.8	13.2	16.4	22.4	34.1	49.9
-55°	8.6	8.6	8.6	8.8	9.9	11.5	13.0	14.7	20.0	26.9	41.6
-57.5°	8.6	8.6	8.6	8.9	9.6	11.2	12.7	14.4	17.6	23.0	32.8
-60°	8.6	8.6	8.6	8.9	9.4	10.9	12.4	13.9	15.4	20.0	25.4
-62.5°	8.6	8.6	8.6	8.9	9.4	10.5	12.0	13.4	14.9	16.8	21.7
-65°	8.6	8.6	8.6	9.0	9.5	10.2	11.5	12.9	14.3	15.6	17.9
-67.5°	8.6	8.6	8.6	9.0	9.5	10.0	11.1	12.4	13.7	14.9	16.2
-70°	8.6	8.6	8.6	9.0	9.5	10.0	10.6	11.8	13.0	14.2	15.4
-72.5°	8.6	8.6	8.6	9.0	9.6	10.1	10.6	11.2	12.4	13.5	14.6
-75°	8.6	8.6	8.6	9.0	9.6	10.1	10.6	11.0	11.7	12.8	13.8
-77.5°	8.6	8.6	8.6	8.9	9.5	10.1	10.6	10.9	11.4	12.1	13.0
-80°	8.6	8.6	8.6	8.9	9.3	9.9	10.7	10.8	11.1	11.5	12.2
-82.5°	8.6	8.6	8.6	8.8	9.1	9.6	10.2	10.5	10.7	10.9	11.3
-85°	8.6	8.6	8.6	8.7	9.0	9.3	9.7	9.9	10.0	10.2	10.4
-87.5°	8.6	8.6	8.6	8.7	8.8	8.9	9.1	9.2	9.3	9.4	9.5
-90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.6	8.6	8.6	8.6	8.1	7.5	7.0	6.4	6.4	6.4	6.4
87.5°	8.3	8.1	7.8	7.7	7.4	7.1	6.8	6.4	5.9	5.4	4.8
85°	8.6	8.6	8.6	8.6	8.1	7.5	7.0	6.4	6.1	5.9	5.8
82.5°	8.6	8.6	8.6	8.6	8.1	7.6	7.0	6.5	6.4	6.4	6.4
80°	8.6	8.6	8.6	8.6	8.1	7.6	7.0	6.5	6.4	6.5	6.5
77.5°	8.6	8.6	8.6	8.6	8.2	7.8	7.6	7.6	7.6	7.4	7.1
75°	8.6	8.6	8.7	8.7	8.5	8.5	8.6	8.6	8.3	7.7	7.2
72.5°	8.9	9.2	9.2	8.9	8.6	8.6	8.6	8.6	8.8	9.0	8.8
70°	9.8	9.9	9.5	8.9	8.6	8.8	9.8	10.9	11.9	11.8	11.7
67.5°	10.6	10.1	9.5	9.2	9.4	10.5	11.8	13.6	15.2	15.2	15.7
65°	10.6	10.1	9.9	10.1	10.6	12.5	14.5	16.4	21.0	23.8	25.2
62.5°	10.7	10.4	10.5	11.2	12.9	15.0	17.9	23.1	30.3	34.1	33.0
60°	10.7	10.6	11.4	13.0	14.9	17.0	21.7	28.8	38.3	45.1	41.1
57.5°	10.7	11.3	12.8	14.5	15.9	17.8	24.1	33.1	44.1	56.1	48.7
55°	11.0	12.2	13.8	15.4	16.9	18.5	25.1	35.3	47.8	55.0	47.9
52.5°	11.9	13.1	14.6	16.3	17.9	19.5	24.5	34.3	41.7	47.3	43.8
50°	12.7	13.9	15.4	17.1	19.0	20.9	21.7	29.7	35.6	38.1	37.9
47.5°	13.5	14.8	16.2	18.1	20.5	22.1	22.0	26.0	30.4	33.2	30.9
45°	14.2	15.6	17.0	19.8	22.3	23.7	25.0	24.1	31.1	32.9	31.6
42.5°	14.9	16.4	19.0	21.5	24.7	28.2	30.2	32.7	36.2	39.5	38.7
40°	15.6	17.3	21.6	26.6	28.9	35.5	41.9	45.9	47.3	50.3	50.3
37.5°	16.3	20.0	26.6	37.2	37.3	47.1	56.3	65.4	68.1	63.1	71.5
35°	17.0	23.0	40.2	53.0	55.1	62.6	77.7	91.6	99.9	95.1	102.9
32.5°	18.9	26.3	58.0	71.4	84.8	91.5	102.3	132.3	161.1	169.9	154.6
30°	22.3	42.5	78.2	91.6	123.1	143.8	150.2	190.6	250.9	303.7	407.7
27.5°	26.5	62.4	97.2	125.6	170.9	208.1	224.4	290.4	393.6	532.8	832.2
25°	31.0	83.3	117.3	168.9	233.5	276.8	303.4	396.5	569.7	1014.0	1573.5
22.5°	42.0	104.7	142.6	217.0	304.2	341.8	397.9	524.9	815.5	1554.0	2482.2
20°	59.0	124.8	178.8	264.6	379.9	403.8	485.1	648.0	1151.8	2270.6	3385.7
17.5°	75.8	147.6	218.4	320.7	438.2	486.3	569.6	760.2	1434.1	3168.5	4558.6
15°	92.0	172.2	255.7	377.6	506.3	601.3	728.9	1012.6	1973.5	4231.7	6111.4
12.5°	107.5	198.1	290.6	434.3	585.1	723.2	911.7	1424.2	2935.6	5473.8	8279.4
10°	121.9	224.5	323.0	489.7	671.4	849.4	1100.8	1874.4	3907.9	6554.8	9996.0
7.5°	155.2	264.8	359.3	542.5	761.8	977.2	1291.8	2343.0	4785.5	7469.5	11430.5
5°	192.2	319.1	428.5	625.5	856.9	1097.5	1466.8	2807.0	5554.9	8223.0	12722.5
2.5°	228.4	371.5	496.1	708.0	948.2	1202.0	1575.1	3211.5	6158.6	8860.6	13837.5
0°	262.1	421.1	560.8	784.3	1031.4	1297.8	1667.4	3564.6	6617.9	9376.7	14716.1
-2.5°	303.4	474.2	632.6	856.9	1059.4	1300.6	1668.8	3434.2	6717.8	9864.4	14386.5
-5°	339.0	522.6	699.1	922.9	1084.2	1296.7	1655.4	3235.1	6662.6	10125.7	14120.8
-7.5°	367.7	565.7	759.2	975.4	1107.2	1310.0	1687.7	3279.0	6570.9	10125.6	13954.2
-10°	384.4	578.0	759.6	972.6	1122.1	1327.0	1709.7	3201.4	6290.8	9915.9	13615.4
-12.5°	369.5	562.8	743.9	959.9	1131.5	1330.4	1702.5	2982.3	5818.8	9488.5	13192.5
-15°	351.9	544.5	721.6	936.5	1134.9	1318.8	1662.9	2606.6	5045.1	8567.9	12682.4
-17.5°	332.3	523.6	692.5	901.5	1132.1	1291.0	1566.2	2012.3	4043.8	7281.6	11512.0
-20°	311.5	500.4	656.3	854.4	1116.5	1227.0	1419.2	1785.2	3190.4	5839.7	9671.8



REPORT NUMBER: P731707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	290.0	475.4	618.6	807.9	1026.3	1149.8	1281.9	1545.4	2255.7	4219.0	7292.6
-25°	277.9	443.7	585.8	746.5	933.8	1077.8	1143.7	1309.6	1665.2	3097.1	5324.1
-27.5°	272.3	413.5	545.3	683.4	849.3	1002.3	1050.7	1158.0	1423.7	1997.9	3596.7
-30°	262.8	372.6	500.8	623.0	775.3	911.8	982.6	1050.5	1220.1	1530.6	2416.2
-32.5°	242.0	331.0	452.8	570.9	702.5	834.7	941.3	1006.5	1113.2	1275.3	1569.1
-35°	216.4	300.3	404.1	514.7	630.5	763.3	883.4	978.9	1030.6	1142.3	1338.9
-37.5°	193.0	267.1	355.1	457.9	565.8	688.8	820.9	925.2	1001.1	1054.5	1195.5
-40°	168.2	231.3	313.3	404.5	501.8	614.2	735.8	856.9	953.0	1033.0	1095.6
-42.5°	143.0	202.5	271.8	352.2	444.2	542.7	647.1	765.9	885.3	989.2	1068.2
-45°	123.3	172.6	229.7	306.6	387.7	473.7	568.3	666.6	794.8	912.7	1010.9
-47.5°	102.9	143.9	196.3	260.1	334.5	411.1	490.9	589.2	695.7	812.0	924.3
-50°	84.2	120.8	162.8	220.4	284.1	351.7	422.6	512.6	610.7	709.9	812.6
-52.5°	71.9	97.1	136.0	181.2	237.4	297.8	363.2	440.0	527.0	617.7	708.7
-55°	59.0	80.9	109.7	147.8	191.9	246.0	307.5	374.2	442.5	525.1	606.8
-57.5°	47.6	66.2	89.0	117.2	153.7	194.3	251.3	310.8	373.4	437.3	505.3
-60°	36.9	52.4	71.7	93.6	118.7	154.5	195.3	246.6	302.3	358.4	415.7
-62.5°	27.0	39.5	55.3	73.5	94.3	116.8	149.6	188.3	230.0	276.8	324.8
-65°	22.7	28.2	39.5	54.7	71.4	90.9	112.3	135.3	169.2	202.6	235.8
-67.5°	18.1	22.8	28.1	35.7	49.8	65.4	81.8	101.1	121.6	140.3	162.0
-70°	16.5	17.8	21.6	26.5	32.1	40.5	54.3	68.8	83.3	97.4	113.3
-72.5°	15.5	16.4	17.5	18.9	23.0	28.1	33.8	40.0	49.4	60.5	71.6
-75°	14.5	14.9	15.7	16.7	17.9	19.3	21.3	25.8	30.8	35.6	40.2
-77.5°	13.5	13.9	14.3	14.7	15.1	16.0	17.1	18.3	19.9	21.8	24.0
-80°	12.5	12.9	13.2	13.5	13.5	13.6	13.9	14.2	14.8	15.5	16.6
-82.5°	11.5	11.8	12.0	12.3	12.0	11.7	11.4	11.3	11.6	12.0	12.3
-85°	10.5	10.7	10.9	11.0	10.7	10.3	9.9	9.5	9.6	9.7	9.8
-87.5°	9.6	9.6	9.7	9.8	9.3	8.9	8.4	8.0	8.0	8.1	8.1
-90°	8.1	7.5	7.0	6.4	6.4	6.4	6.4	6.4	5.9	5.4	4.8



REPORT NUMBER: P731707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.4	6.4	6.4	6.4	6.4	7.0	7.5	8.0	8.6	9.7	10.7
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.8	3.2
85°	5.6	5.4	5.1	4.7	4.3	4.3	4.3	4.3	4.3	3.8	3.2
82.5°	6.4	5.9	5.4	4.9	4.3	4.3	4.3	4.3	4.3	3.8	3.2
80°	6.4	6.1	5.9	5.7	5.6	5.4	5.1	4.8	4.3	3.8	3.2
77.5°	6.5	6.4	6.4	6.4	6.4	6.0	5.4	4.9	4.4	3.8	3.3
75°	6.6	6.5	6.6	6.6	6.5	6.2	6.1	6.0	6.0	5.7	5.2
72.5°	8.4	8.1	7.9	7.8	7.4	7.2	7.1	6.9	6.5	6.3	6.3
70°	11.5	11.3	11.0	10.7	10.3	9.8	9.5	9.0	8.3	8.2	8.3
67.5°	16.9	17.2	17.0	16.3	14.6	13.1	12.3	11.4	10.5	10.5	11.2
65°	24.8	21.7	19.7	18.0	16.5	15.2	14.4	13.6	12.7	13.0	14.8
62.5°	29.4	23.1	19.7	18.4	17.7	17.0	15.7	14.9	14.5	14.9	16.4
60°	34.2	24.8	18.5	17.3	16.2	15.1	15.0	15.0	15.0	15.2	15.9
57.5°	36.7	25.4	17.1	16.5	15.9	15.3	15.2	15.4	15.3	15.1	15.7
55°	35.9	25.6	17.6	16.8	16.6	16.8	16.9	16.0	15.4	15.0	15.6
52.5°	32.7	24.6	18.9	17.3	17.3	16.4	15.1	15.8	16.7	17.5	18.3
50°	29.1	23.2	20.2	18.8	18.8	18.9	18.9	20.0	21.1	21.8	22.7
47.5°	26.7	23.3	23.1	22.6	23.3	24.5	25.0	26.2	29.4	31.1	31.8
45°	27.0	28.6	29.7	30.8	30.7	36.8	41.2	43.6	46.4	49.1	51.2
42.5°	36.4	40.6	44.3	49.9	53.3	63.4	68.7	62.1	75.8	87.7	90.5
40°	55.8	61.7	75.0	89.7	107.4	115.0	150.8	152.4	168.0	206.8	219.3
37.5°	84.8	101.9	147.9	186.9	248.6	285.3	330.8	374.4	409.5	445.5	470.1
35°	132.1	220.0	289.2	410.5	493.5	535.4	589.4	654.0	681.3	794.6	881.2
32.5°	282.4	440.1	628.0	725.0	833.9	917.1	905.4	1173.8	1277.2	1447.4	1585.9
30°	521.8	898.6	1403.3	1403.4	1383.9	1842.7	2010.7	2357.3	2712.6	2949.4	3515.4
27.5°	1206.3	2005.9	2805.3	2821.5	3167.8	4126.1	4671.8	4835.8	6377.6	7367.8	8718.4
25°	2222.8	3539.0	4641.7	5154.9	6183.5	7744.8	8669.1	9771.1	12072.3	14694.4	16349.8
22.5°	3310.6	4713.2	6370.3	7538.9	9510.3	11518.7	13199.5	15631.3	18724.1	21650.1	23629.7
20°	4129.4	5777.1	8117.7	10572.4	13069.8	15587.6	18198.5	21540.0	25726.7	29289.6	32509.9
17.5°	5798.8	7541.1	10708.7	14047.4	17437.1	20127.0	24250.1	28257.7	33358.5	38528.7	42533.2
15°	8269.1	11077.6	14246.8	18577.6	23345.1	27461.3	31833.0	38866.1	45071.4	51716.4	57653.6
12.5°	11439.2	15161.4	19361.1	24341.7	30590.3	37050.0	43717.5	51140.9	59257.1	67239.0	75711.9
10°	14399.1	19514.6	24936.9	31065.4	38216.0	46373.6	54520.2	62931.4	74209.7	84431.5	93492.1
7.5°	16442.7	22467.6	29122.7	36613.4	45439.4	54115.7	63318.1	74754.6	87930.6	99521.5	108806.8
5°	18277.9	25105.0	31750.1	39322.6	49584.0	59501.1	70374.3	84294.1	99293.1	112003.9	121257.8
2.5°	19875.6	27222.4	33675.8	41304.5	52570.8	62889.0	74762.2	91351.5	108824.7	121556.7	131320.5
0°	21190.0	28360.1	34765.2	42622.9	54535.0	65162.3	77343.0	95791.3	115904.9	128766.7	138152.1
-2.5°	19917.5	26422.0	32744.4	40703.1	52707.4	63591.2	76756.4	95521.6	115260.8	129133.0	138823.7
-5°	18956.3	24896.2	30898.2	38773.4	49331.7	59423.7	71777.6	91076.3	111852.4	125869.1	135674.6
-7.5°	18211.4	23395.3	28852.3	36103.9	45762.4	56464.5	69710.2	88330.3	107962.4	122138.7	131023.4
-10°	17399.4	21852.7	27800.0	35109.0	44501.3	54704.0	66471.3	83695.7	103531.8	117171.6	127577.7
-12.5°	17152.1	21854.3	27844.7	34190.9	42830.2	52628.1	63847.1	78518.6	93722.7	108025.6	117151.3
-15°	16753.2	21525.0	27387.5	33356.4	41188.8	50625.1	59990.5	70833.0	83541.0	93875.7	103408.7
-17.5°	15971.0	20556.5	24962.4	30539.8	38162.8	46910.8	54007.2	62534.1	71702.6	79583.3	86774.0
-20°	14098.7	17217.2	21393.0	26652.5	33185.3	40268.8	46730.0	52882.0	58774.1	64777.8	68936.9



REPORT NUMBER: P731707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10788.2	13782.7	17283.8	21652.7	26831.5	33004.8	38714.6	42881.3	47568.1	51891.2	55445.5
-25°	7889.3	10083.4	13351.1	17079.0	20458.6	25403.1	29785.0	32599.0	36713.0	39944.7	43021.4
-27.5°	5705.2	7853.9	10518.7	13464.4	15998.3	18654.6	22522.7	25209.8	28445.5	30923.6	33489.8
-30°	3894.1	6260.3	8716.1	11125.6	13053.4	15060.1	17203.7	19854.3	22451.8	24533.8	26387.7
-32.5°	2700.9	4415.5	6815.5	9060.4	10802.7	12332.8	13741.4	15754.9	17698.7	19393.3	20782.8
-35°	1654.6	2870.7	4532.9	6670.6	8512.4	9982.9	11281.9	12564.4	13807.9	15083.0	16157.2
-37.5°	1399.9	1690.2	2725.9	4197.9	5952.4	7588.8	8861.3	9920.3	10859.0	11829.3	12593.2
-40°	1237.1	1410.7	1670.7	2209.2	3558.7	4919.1	6291.0	7430.8	8463.1	9323.5	9992.4
-42.5°	1129.8	1245.9	1372.5	1583.7	1833.8	2500.7	3680.6	4830.8	5950.7	6889.7	7676.8
-45°	1096.4	1154.8	1223.2	1336.2	1439.8	1642.7	1861.7	2088.6	2978.9	3923.5	4755.8
-47.5°	1020.6	1114.1	1176.1	1224.7	1282.4	1374.2	1458.3	1565.5	1770.0	1972.8	2138.5
-50°	920.1	1022.2	1108.0	1191.2	1249.9	1290.0	1320.7	1376.2	1457.7	1537.0	1600.9
-52.5°	798.4	897.3	997.1	1098.2	1181.6	1258.9	1331.5	1381.7	1419.7	1452.1	1468.8
-55°	687.6	770.4	853.7	955.5	1056.3	1153.1	1246.1	1325.5	1399.4	1468.4	1507.5
-57.5°	579.4	650.7	725.1	816.0	905.6	993.6	1083.7	1175.2	1264.7	1348.2	1396.6
-60°	476.2	539.6	606.9	680.2	758.0	839.3	917.0	994.5	1071.4	1139.5	1179.5
-62.5°	375.3	428.5	483.3	541.3	602.5	666.5	731.0	796.2	861.3	915.9	949.7
-65°	272.6	316.0	357.8	400.2	443.2	491.7	542.7	592.5	640.5	678.0	702.6
-67.5°	190.6	218.7	244.3	269.3	299.7	334.2	370.9	406.6	441.0	466.9	484.3
-70°	129.4	145.0	159.1	175.4	195.4	215.9	237.5	258.2	277.9	293.0	304.6
-72.5°	82.6	93.0	102.9	114.2	124.9	136.8	149.2	160.9	172.0	179.7	185.8
-75°	44.7	50.2	58.4	66.1	73.2	81.8	90.6	98.9	106.7	110.8	113.5
-77.5°	27.3	31.1	34.6	38.0	41.2	45.8	51.0	56.1	61.3	63.7	65.4
-80°	17.9	19.6	21.4	23.3	25.1	27.9	30.8	33.6	36.4	37.3	37.9
-82.5°	12.7	13.2	13.9	14.6	15.3	17.1	18.9	20.8	22.6	24.0	25.3
-85°	9.9	10.0	10.1	10.2	10.3	11.3	12.3	13.4	14.5	15.2	15.9
-87.5°	8.2	8.3	8.3	8.4	8.4	8.5	8.5	8.6	8.6	9.1	9.7
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.8	3.2



REPORT NUMBER: P731707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	11.8	12.9	11.8	10.7	11.8	12.9	11.8	10.7	9.7	8.6	8.0
87.5°	2.7	2.1	1.1	0.0	1.1	2.1	2.7	3.2	3.8	4.3	4.3
85°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.2	3.8	4.3	4.3
82.5°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.2	3.8	4.3	4.3
80°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.2	3.8	4.3	4.8
77.5°	2.7	2.1	3.2	4.3	3.2	2.1	2.7	3.3	3.8	4.4	4.9
75°	4.8	4.3	4.3	4.3	4.3	4.3	4.8	5.2	5.7	6.0	6.0
72.5°	6.3	6.3	6.4	6.4	6.4	6.3	6.3	6.3	6.3	6.5	6.9
70°	8.4	8.5	8.6	8.6	8.6	8.5	8.4	8.3	8.2	8.3	9.0
67.5°	11.9	12.7	12.9	12.9	12.9	12.7	11.9	11.2	10.5	10.5	11.4
65°	16.8	18.7	18.3	17.2	18.3	18.7	16.8	14.8	13.0	12.7	13.6
62.5°	17.7	19.0	19.3	19.3	19.3	19.0	17.7	16.4	14.9	14.5	14.9
60°	16.5	17.1	17.2	17.2	17.2	17.1	16.5	15.9	15.2	15.0	15.0
57.5°	16.3	17.0	17.2	17.2	17.2	17.0	16.3	15.7	15.1	15.3	15.4
55°	16.3	17.0	17.2	17.2	17.2	17.0	16.3	15.6	15.0	15.4	16.0
52.5°	18.8	19.1	19.3	19.3	19.3	19.1	18.8	18.3	17.5	16.7	15.8
50°	23.9	25.0	24.2	21.5	24.2	25.0	23.9	22.7	21.8	21.1	20.0
47.5°	31.8	30.8	30.0	30.1	30.0	30.8	31.8	31.8	31.1	29.4	26.2
45°	51.9	51.5	51.1	51.6	51.1	51.5	51.9	51.2	49.1	46.4	43.6
42.5°	93.6	93.9	92.4	90.2	92.4	93.9	93.6	90.5	87.7	75.8	62.1
40°	218.7	200.4	175.6	161.1	175.6	200.4	218.7	219.3	206.8	168.0	152.4
37.5°	492.6	506.9	508.2	498.5	508.2	506.9	492.6	470.1	445.5	409.5	374.4
35°	935.9	969.4	971.3	954.0	971.3	969.4	935.9	881.2	794.6	681.3	654.0
32.5°	1583.7	1659.1	1687.4	1680.2	1687.4	1659.1	1583.7	1585.9	1447.4	1277.2	1173.8
30°	3252.2	3274.7	3043.2	2619.2	3043.2	3274.7	3252.2	3515.4	2949.4	2712.6	2357.3
27.5°	9451.1	10323.4	10639.8	10500.5	10639.8	10323.4	9451.1	8718.4	7367.8	6377.6	4835.8
25°	16825.2	17399.9	17973.6	18040.1	17973.6	17399.9	16825.2	16349.8	14694.4	12072.3	9771.1
22.5°	25000.8	25817.6	26592.9	26415.6	26592.9	25817.6	25000.8	23629.7	21650.1	18724.1	15631.3
20°	34555.2	35118.5	35690.6	35057.5	35690.6	35118.5	34555.2	32509.9	29289.6	25726.7	21540.0
17.5°	46727.9	49380.1	51734.5	50669.6	51734.5	49380.1	46727.9	42533.2	38528.7	33358.5	28257.7
15°	63243.8	67860.1	70567.5	70424.3	70567.5	67860.1	63243.8	57653.6	51716.4	45071.4	38866.1
12.5°	82276.0	87100.1	89863.2	89291.7	89863.2	87100.1	82276.0	75711.9	67239.0	59257.1	51140.9
10°	99447.4	103235.5	106518.5	107804.5	106518.5	103235.5	99447.4	93492.1	84431.5	74209.7	62931.4
7.5°	114613.9	117436.4	120174.7	120664.2	120174.7	117436.4	114613.9	108806.8	99521.5	87930.6	74754.6
5°	127099.1	131097.8	132645.8	133259.6	132645.8	131097.8	127099.1	121257.8	112003.9	99293.1	84294.1
2.5°	137175.4	140833.3	142769.6	142198.0	142769.6	140833.3	137175.4	131320.5	121556.7	108824.7	91351.5
0°	142964.0	145859.3	147440.7	147062.5	147440.7	145859.3	142964.0	138152.1	128766.7	115904.9	95791.3
-2.5°	143534.5	145481.4	146718.3	146233.1	146718.3	145481.4	143534.5	138823.7	129133.0	115260.8	95521.6
-5°	139587.1	141171.4	141821.3	142099.1	141821.3	141171.4	139587.1	135674.6	125869.1	111852.4	91076.3
-7.5°	134148.1	136276.3	135952.7	136512.6	135952.7	136276.3	134148.1	131023.4	122138.7	107962.4	88330.3
-10°	130908.6	132872.9	132588.5	132739.6	132588.5	132872.9	130908.6	127577.7	117171.6	103531.8	83695.7
-12.5°	123048.8	125900.6	126338.3	126829.7	126338.3	125900.6	123048.8	117151.3	108025.6	93722.7	78518.6
-15°	109666.0	112799.5	114694.2	115120.6	114694.2	112799.5	109666.0	103408.7	93875.7	83541.0	70833.0
-17.5°	92752.2	97085.8	100132.5	100840.7	100132.5	97085.8	92752.2	86774.0	79583.3	71702.6	62534.1
-20°	74016.0	77118.1	78696.7	79547.5	78696.7	77118.1	74016.0	68936.9	64777.8	58774.1	52882.0



REPORT NUMBER: P731707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	58257.3	60305.9	61185.4	61329.1	61185.4	60305.9	58257.3	55445.5	51891.2	47568.1	42881.3
-25°	45512.9	46909.3	47507.8	48392.0	47507.8	46909.3	45512.9	43021.4	39944.7	36713.0	32599.0
-27.5°	35319.6	36547.4	37094.9	37908.7	37094.9	36547.4	35319.6	33489.8	30923.6	28445.5	25209.8
-30°	27638.2	28377.9	28562.5	28602.9	28562.5	28377.9	27638.2	26387.7	24533.8	22451.8	19854.3
-32.5°	21861.8	22694.9	23192.2	23413.9	23192.2	22694.9	21861.8	20782.8	19393.3	17698.7	15754.9
-35°	16961.7	17510.8	17837.6	18205.6	17837.6	17510.8	16961.7	16157.2	15083.0	13807.9	12564.4
-37.5°	13187.2	13594.4	13819.6	13895.4	13819.6	13594.4	13187.2	12593.2	11829.3	10859.0	9920.3
-40°	10526.0	10930.2	11172.9	11209.5	11172.9	10930.2	10526.0	9992.4	9323.5	8463.1	7430.8
-42.5°	8274.8	8778.6	9104.4	9179.1	9104.4	8778.6	8274.8	7676.8	6889.7	5950.7	4830.8
-45°	5364.5	5833.4	6081.5	6065.7	6081.5	5833.4	5364.5	4755.8	3923.5	2978.9	2088.6
-47.5°	2244.5	2320.0	2352.5	2342.0	2352.5	2320.0	2244.5	2138.5	1972.8	1770.0	1565.5
-50°	1651.5	1694.3	1717.8	1723.2	1717.8	1694.3	1651.5	1600.9	1537.0	1457.7	1376.2
-52.5°	1483.0	1498.7	1504.2	1504.1	1504.2	1498.7	1483.0	1468.8	1452.1	1419.7	1381.7
-55°	1543.9	1578.5	1592.1	1592.2	1592.1	1578.5	1543.9	1507.5	1468.4	1399.4	1325.5
-57.5°	1440.6	1479.5	1497.4	1501.9	1497.4	1479.5	1440.6	1396.6	1348.2	1264.7	1175.2
-60°	1215.4	1246.6	1260.2	1263.4	1260.2	1246.6	1215.4	1179.5	1139.5	1071.4	994.5
-62.5°	978.6	1002.2	1009.5	1007.7	1009.5	1002.2	978.6	949.7	915.9	861.3	796.2
-65°	723.2	739.5	740.8	734.8	740.8	739.5	723.2	702.6	678.0	640.5	592.5
-67.5°	498.2	508.6	509.1	504.9	509.1	508.6	498.2	484.3	466.9	441.0	406.6
-70°	314.3	322.2	322.6	320.1	322.6	322.2	314.3	304.6	293.0	277.9	258.2
-72.5°	191.0	195.4	199.2	202.0	199.2	195.4	191.0	185.8	179.7	172.0	160.9
-75°	115.6	117.0	116.9	116.0	116.9	117.0	115.6	113.5	110.8	106.7	98.9
-77.5°	66.9	68.2	70.7	73.1	70.7	68.2	66.9	65.4	63.7	61.3	56.1
-80°	38.3	38.5	39.7	40.8	39.7	38.5	38.3	37.9	37.3	36.4	33.6
-82.5°	26.5	27.8	27.9	27.9	27.9	27.8	26.5	25.3	24.0	22.6	20.8
-85°	16.5	17.1	18.2	19.3	18.2	17.1	16.5	15.9	15.2	14.5	13.4
-87.5°	10.2	10.7	10.7	10.7	10.7	10.7	10.2	9.7	9.1	8.6	8.6
-90°	2.6	2.1	1.0	0.0	1.0	2.1	2.7	3.2	3.8	4.3	4.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.5	7.0	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.8	5.4	5.9	6.4
85°	4.3	4.3	4.3	4.7	5.1	5.4	5.6	5.8	5.9	6.1	6.4
82.5°	4.3	4.3	4.3	4.9	5.4	5.9	6.4	6.4	6.4	6.4	6.5
80°	5.1	5.4	5.6	5.7	5.9	6.1	6.4	6.5	6.5	6.4	6.5
77.5°	5.4	6.0	6.4	6.4	6.4	6.4	6.5	7.1	7.4	7.6	7.6
75°	6.1	6.2	6.5	6.6	6.6	6.5	6.6	7.2	7.7	8.3	8.6
72.5°	7.1	7.2	7.4	7.8	7.9	8.1	8.4	8.8	9.0	8.8	8.6
70°	9.5	9.8	10.3	10.7	11.0	11.3	11.5	11.7	11.8	11.9	10.9
67.5°	12.3	13.1	14.6	16.3	17.0	17.2	16.9	15.7	15.2	15.2	13.6
65°	14.4	15.2	16.5	18.0	19.7	21.7	24.8	25.2	23.8	21.0	16.4
62.5°	15.7	17.0	17.7	18.4	19.7	23.1	29.4	33.0	34.1	30.3	23.1
60°	15.0	15.1	16.2	17.3	18.5	24.8	34.2	41.1	45.1	38.3	28.8
57.5°	15.2	15.3	15.9	16.5	17.1	25.4	36.7	48.7	56.1	44.1	33.1
55°	16.9	16.8	16.6	16.8	17.6	25.6	35.9	47.9	55.0	47.8	35.3
52.5°	15.1	16.4	17.3	17.3	18.9	24.6	32.7	43.8	47.3	41.7	34.3
50°	18.9	18.9	18.8	18.8	20.2	23.2	29.1	37.9	38.1	35.6	29.7
47.5°	25.0	24.5	23.3	22.6	23.1	23.3	26.7	30.9	33.2	30.4	26.0
45°	41.2	36.8	30.7	30.8	29.7	28.6	27.0	31.6	32.9	31.1	24.1
42.5°	68.7	63.4	53.3	49.9	44.3	40.6	36.4	38.7	39.5	36.2	32.7
40°	150.8	115.0	107.4	89.7	75.0	61.7	55.8	50.3	50.3	47.3	45.9
37.5°	330.8	285.3	248.6	186.9	147.9	101.9	84.8	71.5	63.1	68.1	65.4
35°	589.4	535.4	493.5	410.5	289.2	220.0	132.1	102.9	95.1	99.9	91.6
32.5°	905.4	917.1	833.9	725.0	628.0	440.1	282.4	154.6	169.9	161.1	132.3
30°	2010.7	1842.7	1383.9	1403.4	1403.3	898.6	521.8	407.7	303.7	250.9	190.6
27.5°	4671.8	4126.1	3167.8	2821.5	2805.3	2005.9	1206.3	832.2	532.8	393.6	290.4
25°	8669.1	7744.8	6183.5	5154.9	4641.7	3539.0	2222.8	1573.5	1014.0	569.7	396.5
22.5°	13199.5	11518.7	9510.3	7538.9	6370.3	4713.2	3310.6	2482.2	1554.0	815.5	524.9
20°	18198.5	15587.6	13069.8	10572.4	8117.7	5777.1	4129.4	3385.7	2270.6	1151.8	648.0
17.5°	24250.1	20127.0	17437.1	14047.4	10708.7	7541.1	5798.8	4558.6	3168.5	1434.1	760.2
15°	31833.0	27461.3	23345.1	18577.6	14246.8	11077.6	8269.1	6111.4	4231.7	1973.5	1012.6
12.5°	43717.5	37050.0	30590.3	24341.7	19361.1	15161.4	11439.2	8279.4	5473.8	2935.6	1424.2
10°	54520.2	46373.6	38216.0	31065.4	24936.9	19514.6	14399.1	9996.0	6554.8	3907.9	1874.4
7.5°	63318.1	54115.7	45439.4	36613.4	29122.7	22467.6	16442.7	11430.5	7469.5	4785.5	2343.0
5°	70374.3	59501.1	49584.0	39322.6	31750.1	25105.0	18277.9	12722.5	8223.0	5554.9	2807.0
2.5°	74762.2	62889.0	52570.8	41304.5	33675.8	27222.4	19875.6	13837.5	8860.6	6158.6	3211.5
0°	77343.0	65162.3	54535.0	42622.9	34765.2	28360.1	21190.0	14716.1	9376.7	6617.9	3564.6
-2.5°	76756.4	63591.2	52707.4	40703.1	32744.4	26422.0	19917.5	14386.5	9864.4	6717.8	3434.2
-5°	71777.6	59423.7	49331.7	38773.4	30898.2	24896.2	18956.3	14120.8	10125.7	6662.6	3235.1
-7.5°	69710.2	56464.5	45762.4	36103.9	28852.3	23395.3	18211.4	13954.2	10125.6	6570.9	3279.0
-10°	66471.3	54704.0	44501.3	35109.0	27800.0	21852.7	17399.4	13615.4	9915.9	6290.8	3201.4
-12.5°	63847.1	52628.1	42830.2	34190.9	27844.7	21854.3	17152.1	13192.5	9488.5	5818.8	2982.3
-15°	59990.5	50625.1	41188.8	33356.4	27387.5	21525.0	16753.2	12682.4	8567.9	5045.1	2606.6
-17.5°	54007.2	46910.8	38162.8	30539.8	24962.4	20556.5	15971.0	11512.0	7281.6	4043.8	2012.3
-20°	46730.0	40268.8	33185.3	26652.5	21393.0	17217.2	14098.7	9671.8	5839.7	3190.4	1785.2



REPORT NUMBER: P731707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	38714.6	33004.8	26831.5	21652.7	17283.8	13782.7	10788.2	7292.6	4219.0	2255.7	1545.4
-25°	29785.0	25403.1	20458.6	17079.0	13351.1	10083.4	7889.3	5324.1	3097.1	1665.2	1309.6
-27.5°	22522.7	18654.6	15998.3	13464.4	10518.7	7853.9	5705.2	3596.7	1997.9	1423.7	1158.0
-30°	17203.7	15060.1	13053.4	11125.6	8716.1	6260.3	3894.1	2416.2	1530.6	1220.1	1050.5
-32.5°	13741.4	12332.8	10802.7	9060.4	6815.5	4415.5	2700.9	1569.1	1275.3	1113.2	1006.5
-35°	11281.9	9982.9	8512.4	6670.6	4532.9	2870.7	1654.6	1338.9	1142.3	1030.6	978.9
-37.5°	8861.3	7588.8	5952.4	4197.9	2725.9	1690.2	1399.9	1195.5	1054.5	1001.1	925.2
-40°	6291.0	4919.1	3558.7	2209.2	1670.7	1410.7	1237.1	1095.6	1033.0	953.0	856.9
-42.5°	3680.6	2500.7	1833.8	1583.7	1372.5	1245.9	1129.8	1068.2	989.2	885.3	765.9
-45°	1861.7	1642.7	1439.8	1336.2	1223.2	1154.8	1096.4	1010.9	912.7	794.8	666.6
-47.5°	1458.3	1374.2	1282.4	1224.7	1176.1	1114.1	1020.6	924.3	812.0	695.7	589.2
-50°	1320.7	1290.0	1249.9	1191.2	1108.0	1022.2	920.1	812.6	709.9	610.7	512.6
-52.5°	1331.5	1258.9	1181.6	1098.2	997.1	897.3	798.4	708.7	617.7	527.0	440.0
-55°	1246.1	1153.1	1056.3	955.5	853.7	770.4	687.6	606.8	525.1	442.5	374.2
-57.5°	1083.7	993.6	905.6	816.0	725.1	650.7	579.4	505.3	437.3	373.4	310.8
-60°	917.0	839.3	758.0	680.2	606.9	539.6	476.2	415.7	358.4	302.3	246.6
-62.5°	731.0	666.5	602.5	541.3	483.3	428.5	375.3	324.8	276.8	230.0	188.3
-65°	542.7	491.7	443.2	400.2	357.8	316.0	272.6	235.8	202.6	169.2	135.3
-67.5°	370.9	334.2	299.7	269.3	244.3	218.7	190.6	162.0	140.3	121.6	101.1
-70°	237.5	215.9	195.4	175.4	159.1	145.0	129.4	113.3	97.4	83.3	68.8
-72.5°	149.2	136.8	124.9	114.2	102.9	93.0	82.6	71.6	60.5	49.4	40.0
-75°	90.6	81.8	73.2	66.1	58.4	50.2	44.7	40.2	35.6	30.8	25.8
-77.5°	51.0	45.8	41.2	38.0	34.6	31.1	27.3	24.0	21.8	19.9	18.3
-80°	30.8	27.9	25.1	23.3	21.4	19.6	17.9	16.6	15.5	14.8	14.2
-82.5°	18.9	17.1	15.3	14.6	13.9	13.2	12.7	12.3	12.0	11.6	11.3
-85°	12.3	11.3	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.5
-87.5°	8.5	8.5	8.4	8.4	8.3	8.3	8.2	8.1	8.1	8.0	8.0
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.8	5.4	5.9	6.4



REPORT NUMBER: P731707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	7.0	7.5	8.1	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	6.8	7.1	7.4	7.7	7.8	8.1	8.3	8.6	8.6	8.6	8.6
85°	7.0	7.5	8.1	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
82.5°	7.0	7.6	8.1	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
80°	7.0	7.6	8.1	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
77.5°	7.6	7.8	8.2	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
75°	8.6	8.5	8.5	8.7	8.7	8.6	8.6	8.7	8.8	8.6	8.6
72.5°	8.6	8.6	8.6	8.9	9.2	9.2	8.9	8.8	9.1	9.0	8.7
70°	9.8	8.8	8.6	8.9	9.5	9.9	9.8	9.5	9.4	9.5	9.2
67.5°	11.8	10.5	9.4	9.2	9.5	10.1	10.6	10.2	9.9	10.0	9.8
65°	14.5	12.5	10.6	10.1	9.9	10.1	10.6	10.7	10.4	10.2	10.3
62.5°	17.9	15.0	12.9	11.2	10.5	10.4	10.7	10.7	10.7	10.5	10.6
60°	21.7	17.0	14.9	13.0	11.4	10.6	10.7	10.7	10.7	10.7	10.7
57.5°	24.1	17.8	15.9	14.5	12.8	11.3	10.7	10.7	10.7	10.7	10.7
55°	25.1	18.5	16.9	15.4	13.8	12.2	11.0	10.7	10.7	10.7	10.7
52.5°	24.5	19.5	17.9	16.3	14.6	13.1	11.9	10.7	10.7	10.7	10.7
50°	21.7	20.9	19.0	17.1	15.4	13.9	12.7	11.4	10.7	10.7	10.7
47.5°	22.0	22.1	20.5	18.1	16.2	14.8	13.5	12.1	10.7	10.7	10.7
45°	25.0	23.7	22.3	19.8	17.0	15.6	14.2	12.8	11.3	10.8	10.7
42.5°	30.2	28.2	24.7	21.5	19.0	16.4	14.9	13.5	11.9	10.9	10.8
40°	41.9	35.5	28.9	26.6	21.6	17.3	15.6	14.1	12.5	11.3	11.0
37.5°	56.3	47.1	37.3	37.2	26.6	20.0	16.3	14.7	13.2	11.9	11.2
35°	77.7	62.6	55.1	53.0	40.2	23.0	17.0	15.2	14.0	12.5	11.4
32.5°	102.3	91.5	84.8	71.4	58.0	26.3	18.9	16.3	14.8	13.1	11.7
30°	150.2	143.8	123.1	91.6	78.2	42.5	22.3	17.6	15.7	13.7	12.1
27.5°	224.4	208.1	170.9	125.6	97.2	62.4	26.5	19.0	16.6	14.3	12.6
25°	303.4	276.8	233.5	168.9	117.3	83.3	31.0	20.6	17.7	15.0	13.0
22.5°	397.9	341.8	304.2	217.0	142.6	104.7	42.0	24.3	18.9	15.7	13.4
20°	485.1	403.8	379.9	264.6	178.8	124.8	59.0	28.0	20.2	16.5	13.8
17.5°	569.6	486.3	438.2	320.7	218.4	147.6	75.8	31.7	21.5	17.2	14.2
15°	728.9	601.3	506.3	377.6	255.7	172.2	92.0	35.4	22.9	17.9	14.5
12.5°	911.7	723.2	585.1	434.3	290.6	198.1	107.5	39.1	24.2	18.6	14.6
10°	1100.8	849.4	671.4	489.7	323.0	224.5	121.9	43.9	26.2	19.3	14.8
7.5°	1291.8	977.2	761.8	542.5	359.3	264.8	155.2	51.9	28.4	19.9	14.9
5°	1466.8	1097.5	856.9	625.5	428.5	319.1	192.2	59.9	30.5	20.5	14.9
2.5°	1575.1	1202.0	948.2	708.0	496.1	371.5	228.4	67.8	32.5	21.1	15.0
0°	1667.4	1297.8	1031.4	784.3	560.8	421.1	262.1	75.2	34.4	21.5	15.0
-2.5°	1668.8	1300.6	1059.4	856.9	632.6	474.2	303.4	97.2	47.1	27.3	17.0
-5°	1655.4	1296.7	1084.2	922.9	699.1	522.6	339.0	117.9	59.2	32.8	18.9
-7.5°	1687.7	1310.0	1107.2	975.4	759.2	565.7	367.7	136.6	70.4	37.8	20.8
-10°	1709.7	1327.0	1122.1	972.6	759.6	578.0	384.4	153.0	80.2	42.2	22.4
-12.5°	1702.5	1330.4	1131.5	959.9	743.9	562.8	369.5	164.3	88.5	45.8	23.8
-15°	1662.9	1318.8	1134.9	936.5	721.6	544.5	351.9	172.1	95.5	49.3	25.0
-17.5°	1566.2	1291.0	1132.1	901.5	692.5	523.6	332.3	177.2	100.8	52.7	26.8
-20°	1419.2	1227.0	1116.5	854.4	656.3	500.4	311.5	179.6	103.9	55.0	28.7



REPORT NUMBER: P731707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1281.9	1149.8	1026.3	807.9	618.6	475.4	290.0	179.1	104.9	55.8	30.1
-25°	1143.7	1077.8	933.8	746.5	585.8	443.7	277.9	175.4	103.5	55.2	30.8
-27.5°	1050.7	1002.3	849.3	683.4	545.3	413.5	272.3	173.4	100.9	53.1	30.8
-30°	982.6	911.8	775.3	623.0	500.8	372.6	262.8	168.3	98.4	51.9	30.2
-32.5°	941.3	834.7	702.5	570.9	452.8	331.0	242.0	159.9	93.6	51.2	29.7
-35°	883.4	763.3	630.5	514.7	404.1	300.3	216.4	148.0	86.6	49.4	28.9
-37.5°	820.9	688.8	565.8	457.9	355.1	267.1	193.0	130.6	77.3	46.5	27.5
-40°	735.8	614.2	501.8	404.5	313.3	231.3	168.2	114.4	71.1	42.5	25.6
-42.5°	647.1	542.7	444.2	352.2	271.8	202.5	143.0	97.3	63.9	39.0	23.1
-45°	568.3	473.7	387.7	306.6	229.7	172.6	123.3	80.8	55.7	35.4	20.8
-47.5°	490.9	411.1	334.5	260.1	196.3	143.9	102.9	71.0	47.1	31.0	19.5
-50°	422.6	351.7	284.1	220.4	162.8	120.8	84.2	60.6	40.9	25.6	18.0
-52.5°	363.2	297.8	237.4	181.2	136.0	97.1	71.9	49.9	34.1	22.4	16.4
-55°	307.5	246.0	191.9	147.8	109.7	80.9	59.0	41.6	26.9	20.0	14.7
-57.5°	251.3	194.3	153.7	117.2	89.0	66.2	47.6	32.8	23.0	17.6	14.4
-60°	195.3	154.5	118.7	93.6	71.7	52.4	36.9	25.4	20.0	15.4	13.9
-62.5°	149.6	116.8	94.3	73.5	55.3	39.5	27.0	21.7	16.8	14.9	13.4
-65°	112.3	90.9	71.4	54.7	39.5	28.2	22.7	17.9	15.6	14.3	12.9
-67.5°	81.8	65.4	49.8	35.7	28.1	22.8	18.1	16.2	14.9	13.7	12.4
-70°	54.3	40.5	32.1	26.5	21.6	17.8	16.5	15.4	14.2	13.0	11.8
-72.5°	33.8	28.1	23.0	18.9	17.5	16.4	15.5	14.6	13.5	12.4	11.2
-75°	21.3	19.3	17.9	16.7	15.7	14.9	14.5	13.8	12.8	11.7	11.0
-77.5°	17.1	16.0	15.1	14.7	14.3	13.9	13.5	13.0	12.1	11.4	10.9
-80°	13.9	13.6	13.5	13.5	13.2	12.9	12.5	12.2	11.5	11.1	10.8
-82.5°	11.4	11.7	12.0	12.3	12.0	11.8	11.5	11.3	10.9	10.7	10.5
-85°	9.9	10.3	10.7	11.0	10.9	10.7	10.5	10.4	10.2	10.0	9.9
-87.5°	8.4	8.9	9.3	9.8	9.7	9.6	9.6	9.5	9.4	9.3	9.2
-90°	6.4	6.4	6.4	6.4	7.0	7.5	8.1	8.6	8.6	8.6	8.6



REPORT NUMBER: P731707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
85°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
82.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
80°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
77.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
75°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
72.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
70°	8.7	8.6	8.6	8.6	8.6	8.6	8.6
67.5°	9.2	8.6	8.6	8.6	8.6	8.6	8.6
65°	9.7	8.8	8.6	8.6	8.6	8.6	8.6
62.5°	10.2	9.2	8.6	8.6	8.6	8.6	8.6
60°	10.6	9.6	8.6	8.6	8.6	8.6	8.6
57.5°	10.7	10.0	8.9	8.6	8.6	8.6	8.6
55°	10.7	10.4	9.2	8.6	8.6	8.6	8.6
52.5°	10.7	10.7	9.5	8.6	8.6	8.6	8.6
50°	10.7	10.7	9.8	8.6	8.6	8.6	8.6
47.5°	10.7	10.7	10.1	8.6	8.6	8.6	8.6
45°	10.7	10.7	10.3	8.8	8.6	8.6	8.6
42.5°	10.7	10.7	10.6	9.0	8.6	8.6	8.6
40°	10.7	10.7	10.7	9.2	8.6	8.6	8.6
37.5°	10.7	10.7	10.7	9.3	8.6	8.6	8.6
35°	10.7	10.7	10.7	9.4	8.6	8.6	8.6
32.5°	10.8	10.7	10.7	9.5	8.6	8.6	8.6
30°	11.0	10.7	10.7	9.5	8.6	8.6	8.6
27.5°	11.2	10.7	10.6	9.6	8.6	8.6	8.6
25°	11.5	10.7	10.6	9.6	8.6	8.6	8.6
22.5°	11.8	10.7	10.6	9.5	8.6	8.6	8.6
20°	12.1	10.7	10.5	9.5	8.6	8.6	8.6
17.5°	12.3	10.7	10.5	9.4	8.6	8.6	8.6
15°	12.4	10.7	10.6	9.3	8.6	8.6	8.6
12.5°	12.6	10.7	10.6	9.2	8.6	8.6	8.6
10°	12.7	10.7	10.6	9.1	8.6	8.6	8.6
7.5°	12.8	10.7	10.6	9.0	8.6	8.6	8.6
5°	12.8	10.7	10.7	8.9	8.6	8.6	8.6
2.5°	12.9	10.7	10.7	8.7	8.6	8.6	8.6
0°	12.9	10.7	10.7	8.6	8.6	8.6	8.6
-2.5°	13.7	11.2	10.7	8.7	8.6	8.6	8.6
-5°	14.5	11.6	10.7	8.9	8.6	8.6	8.6
-7.5°	15.3	12.1	10.6	9.0	8.6	8.6	8.6
-10°	16.0	12.4	10.6	9.1	8.6	8.6	8.6
-12.5°	16.6	12.8	10.6	9.2	8.6	8.6	8.6
-15°	17.2	13.0	10.6	9.3	8.6	8.6	8.6
-17.5°	17.6	13.2	10.5	9.4	8.6	8.6	8.6
-20°	18.2	13.3	10.5	9.5	8.6	8.6	8.6



REPORT NUMBER: P731707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	18.8	13.3	10.6	9.5	8.6	8.6	8.6
-25°	19.2	13.2	10.6	9.6	8.6	8.6	8.6
-27.5°	19.2	13.1	10.6	9.6	8.6	8.6	8.6
-30°	18.9	12.8	10.7	9.5	8.6	8.6	8.6
-32.5°	18.2	12.5	10.8	9.5	8.6	8.6	8.6
-35°	17.6	12.1	10.9	9.4	8.6	8.6	8.6
-37.5°	17.1	11.8	11.0	9.3	8.6	8.6	8.6
-40°	16.4	11.9	11.0	9.2	8.6	8.6	8.6
-42.5°	15.6	12.0	11.0	9.1	8.6	8.6	8.6
-45°	14.6	12.0	10.8	8.9	8.6	8.6	8.6
-47.5°	13.6	12.0	10.6	8.8	8.6	8.6	8.6
-50°	13.3	11.9	10.4	8.8	8.6	8.6	8.6
-52.5°	13.2	11.8	10.1	8.8	8.6	8.6	8.6
-55°	13.0	11.5	9.9	8.8	8.6	8.6	8.6
-57.5°	12.7	11.2	9.6	8.9	8.6	8.6	8.6
-60°	12.4	10.9	9.4	8.9	8.6	8.6	8.6
-62.5°	12.0	10.5	9.4	8.9	8.6	8.6	8.6
-65°	11.5	10.2	9.5	9.0	8.6	8.6	8.6
-67.5°	11.1	10.0	9.5	9.0	8.6	8.6	8.6
-70°	10.6	10.0	9.5	9.0	8.6	8.6	8.6
-72.5°	10.6	10.1	9.6	9.0	8.6	8.6	8.6
-75°	10.6	10.1	9.6	9.0	8.6	8.6	8.6
-77.5°	10.6	10.1	9.5	8.9	8.6	8.6	8.6
-80°	10.7	9.9	9.3	8.9	8.6	8.6	8.6
-82.5°	10.2	9.6	9.1	8.8	8.6	8.6	8.6
-85°	9.7	9.3	9.0	8.7	8.6	8.6	8.6
-87.5°	9.1	8.9	8.8	8.7	8.6	8.6	8.6
-90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6

(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

