

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: P701573 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-70-5S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701573 (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: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-57-70-5S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

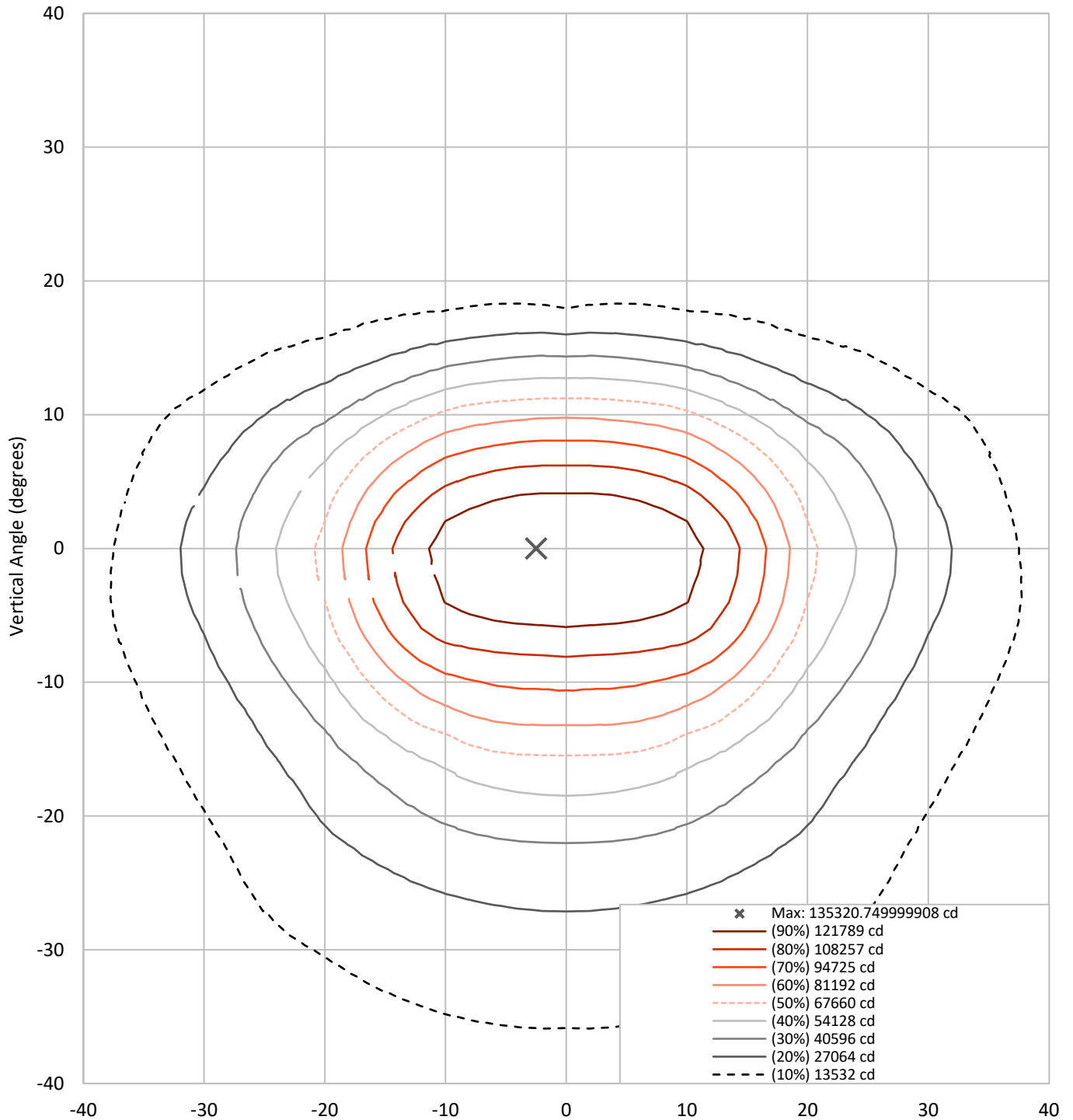
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	53621.7 lumens	Max Intensity:	135320.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	81.5 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:	26576.1 lumens	Field Lumens:	48067.8 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%

Input Watts (W): 658
Input Voltage (V): NR
Input Current (A_{in}): 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





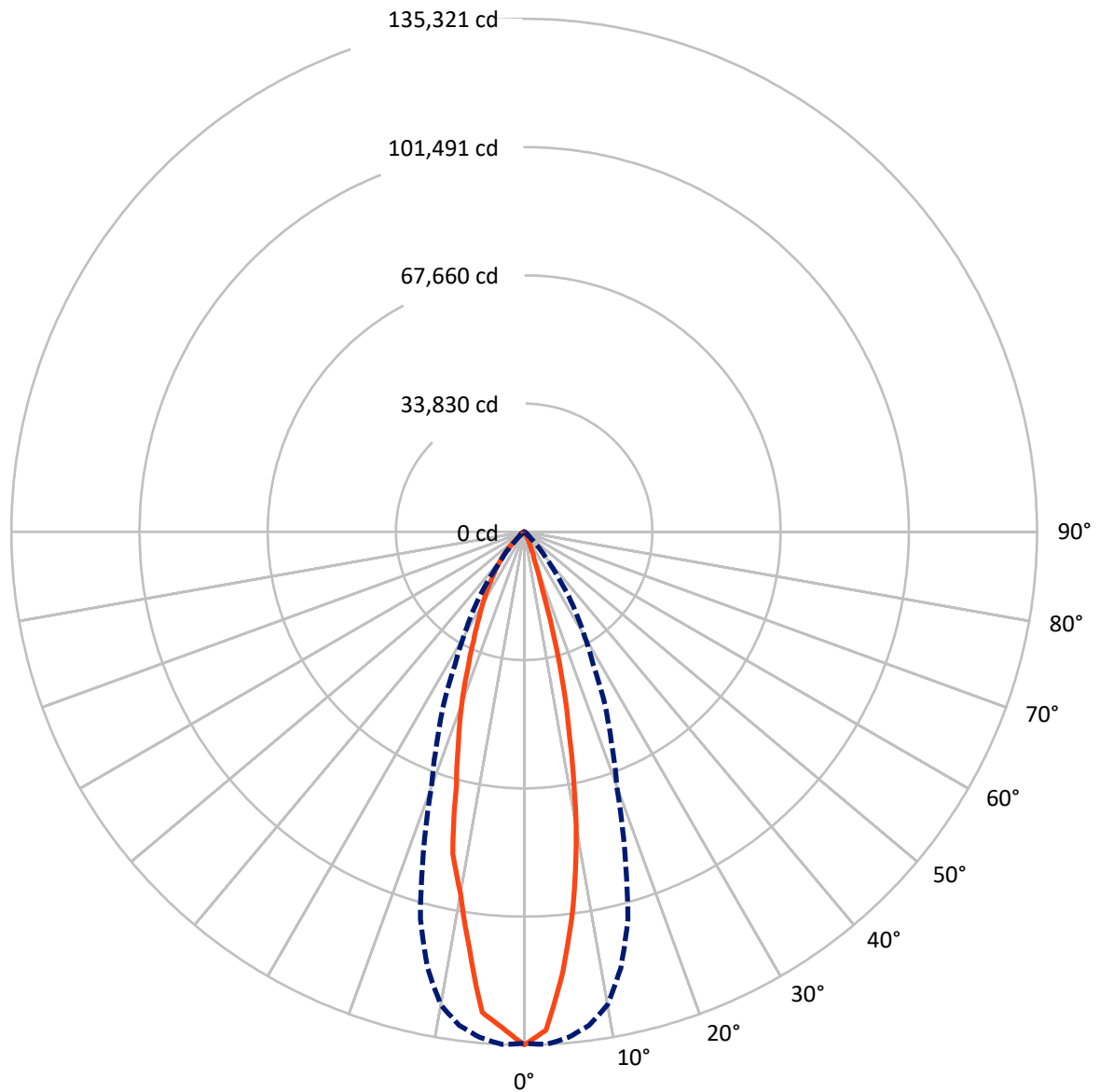
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Lumen Table

90																
80	0.2	0.6		0.9		0.9		0.5		0.9		0.9		0.6		0.2
70																
60	0.2	0.1	0.2	0.5	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.5	0.2	0.1	0.2
50		0.1	0.3	0.7	0.8	0.3	0.3	0.2	0.2	0.3	0.3	0.8	0.7	0.3	0.1	
40	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.2
30		0.2	0.5	0.9	2.0	4.5	7.0	9.5	9.5	7.0	4.5	2.0	0.9	0.5	0.2	
20	0.3	0.4	1.4	3.8	17.3	39.5	74.2	105.3	105.3	74.2	39.5	17.3	3.8	1.4	0.4	0.3
10		0.9	5.3	23.5	136.2	362.0	743.7	1101.0	1101.0	743.7	362.0	136.2	23.5	5.3	0.9	
0	0.3	1.7	11.3	70.5	398.7	1135.8	2441.1	3362.6	3362.6	2441.1	1135.8	398.7	70.5	11.3	1.7	0.3
-10		2.3	13.9	87.4	455.3	1242.5	2729.0	3625.3	3625.3	2729.0	1242.5	455.3	87.4	13.9	2.3	
-20	0.4	2.5	12.4	56.0	289.5	746.5	1512.7	2106.3	2106.3	1512.7	746.5	289.5	56.0	12.4	2.5	0.4
-30		2.3	10.4	26.0	152.3	426.5	745.5	964.8	964.8	745.5	426.5	152.3	26.0	10.4	2.3	
-40	0.4	1.8	7.7	17.0	50.9	194.2	346.4	441.4	441.4	346.4	194.2	50.9	17.0	7.7	1.8	0.4
-50		1.1	4.9	12.6	23.0	41.7	91.6	134.5	134.5	91.6	41.7	23.0	12.6	4.9	1.1	
-60	0.3	0.6	2.4	6.7	13.5	21.4	27.5	30.9	30.9	27.5	21.4	13.5	6.7	2.4	0.6	0.3
-70		0.2	0.9	2.4	4.8	8.0	11.4	13.3	13.3	11.4	8.0	4.8	2.4	0.9	0.2	
-80																
-90	0.2	0.8		2.5		6.4		8.6		6.4		2.5		0.8		0.2

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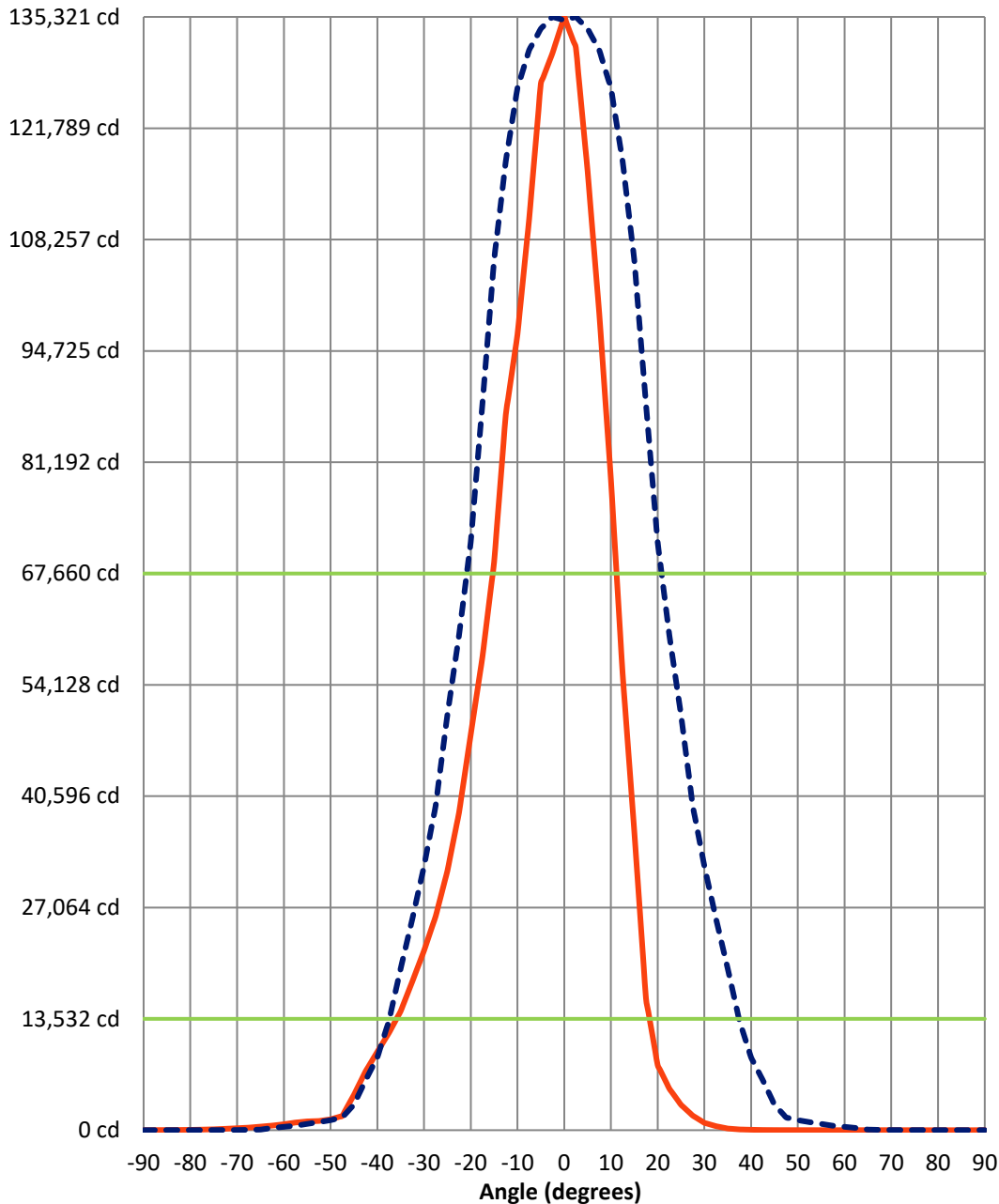
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 41.7°
 V Angle: 26.5°
 Lumens: 26576.1
 Efficiency: 49.6%

Field:
 H Angle: 74.8°
 V Angle: 54.1°
 Lumens: 48067.8
 Efficiency: 89.6%

Spill:
 Lumens: 5553.9
 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°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	8.2	8.2	8.4	8.5	8.6	8.7	8.7	8.7	8.6	8.4	8.2
85°	8.2	8.3	8.6	8.7	8.9	9.1	9.3	9.2	8.9	8.6	8.2
82.5°	8.2	8.3	8.7	9.0	9.3	9.6	9.8	9.6	9.3	9.0	8.8
80°	8.2	8.4	8.9	9.3	9.7	10.0	10.3	9.9	9.7	9.6	9.7
77.5°	8.2	8.4	9.1	9.6	10.0	10.3	10.3	10.1	10.0	10.2	10.3
75°	8.2	8.5	9.2	9.8	10.3	10.3	10.3	10.2	10.3	10.3	10.3
72.5°	8.2	8.5	9.4	10.1	10.3	10.3	10.3	10.3	10.3	10.3	10.3
70°	8.2	8.5	9.5	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
67.5°	8.2	8.6	9.7	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
65°	8.2	8.6	9.8	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
62.5°	8.2	8.6	9.9	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
60°	8.2	8.7	10.0	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
57.5°	8.2	8.7	10.0	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
55°	8.2	8.7	10.0	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
52.5°	8.2	8.7	10.0	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
50°	8.2	8.7	9.9	10.3	10.3	10.3	10.3	10.4	10.3	10.3	10.9
47.5°	8.2	8.7	9.9	10.3	10.3	10.3	10.3	10.6	10.3	10.3	11.6
45°	8.2	8.7	9.9	10.3	10.3	10.3	10.5	10.7	10.5	10.9	12.2
42.5°	8.2	8.7	9.9	10.3	10.3	10.3	10.7	11.0	10.7	11.4	13.0
40°	8.2	8.7	9.9	10.3	10.3	10.3	10.9	11.3	11.2	12.0	13.7
37.5°	8.2	8.7	10.0	10.3	10.3	10.3	11.1	11.6	11.9	12.8	14.2
35°	8.2	8.7	10.0	10.3	10.3	10.4	11.4	12.0	12.6	13.7	14.6
32.5°	8.2	8.7	10.0	10.3	10.3	10.6	11.7	12.4	13.3	14.7	15.9
30°	8.2	8.7	10.0	10.3	10.3	10.9	12.1	12.9	14.0	15.7	17.4
27.5°	8.2	8.6	10.0	10.3	10.3	11.1	12.4	13.4	14.7	16.8	19.2
25°	8.2	8.6	10.1	10.3	10.3	11.3	12.8	14.0	15.6	18.1	21.2
22.5°	8.2	8.6	10.1	10.3	10.3	11.5	13.2	14.5	16.5	19.7	24.9
20°	8.2	8.5	10.1	10.3	10.3	11.7	13.5	15.1	17.4	21.3	29.1
17.5°	8.2	8.5	10.2	10.3	10.3	11.8	13.8	15.6	18.3	23.1	33.7
15°	8.2	8.5	10.2	10.3	10.3	12.0	14.0	15.9	19.1	24.9	38.6
12.5°	8.2	8.4	10.2	10.3	10.3	12.1	14.1	16.1	19.9	26.7	43.6
10°	8.2	8.4	10.2	10.3	10.3	12.1	14.2	16.2	20.5	29.1	49.2
7.5°	8.2	8.3	10.3	10.3	10.3	12.2	14.3	16.3	21.1	31.7	55.8
5°	8.2	8.3	10.3	10.3	10.3	12.3	14.4	16.3	21.7	34.3	62.2
2.5°	8.2	8.2	10.3	10.3	10.3	12.3	14.4	16.4	22.2	36.7	68.3
0°	8.2	8.2	10.3	10.3	10.3	12.3	14.4	16.4	22.2	36.7	68.3
-2.5°	8.2	8.2	10.3	10.3	10.5	12.5	14.7	18.3	28.1	49.0	90.2
-5°	8.2	8.3	10.3	10.3	10.6	12.7	14.9	20.1	33.4	58.5	105.5
-7.5°	8.2	8.3	10.3	10.3	10.8	12.9	15.1	21.8	38.2	67.3	119.3
-10°	8.2	8.4	10.2	10.3	11.0	13.1	15.3	23.2	42.4	75.0	131.3
-12.5°	8.2	8.4	10.2	10.3	11.1	13.2	15.4	24.3	45.8	81.6	140.6
-15°	8.2	8.5	10.2	10.3	11.2	13.3	15.6	25.0	48.7	87.1	147.5
-17.5°	8.2	8.5	10.2	10.3	11.3	13.4	15.7	26.2	51.1	91.1	152.1
-20°	8.2	8.5	10.1	10.3	11.3	13.5	16.2	27.6	52.6	93.5	154.3



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.2	8.6	10.1	10.3	11.4	13.5	17.1	28.6	53.1	94.1	153.9
-25°	8.2	8.6	10.1	10.3	11.4	13.6	17.7	29.1	52.4	92.8	150.7
-27.5°	8.2	8.6	10.0	10.3	11.3	13.6	18.0	29.0	50.6	90.4	148.9
-30°	8.2	8.7	10.0	10.3	11.2	13.5	17.9	28.5	49.4	88.1	144.6
-32.5°	8.2	8.7	10.0	10.3	11.1	13.3	17.4	28.3	48.7	84.2	137.6
-35°	8.2	8.7	10.0	10.3	11.0	13.1	17.0	27.7	47.1	78.7	127.8
-37.5°	8.2	8.7	10.0	10.3	10.9	12.8	16.7	26.5	44.8	71.4	114.5
-40°	8.2	8.7	9.9	10.3	10.7	12.6	16.2	24.7	41.7	66.6	102.0
-42.5°	8.2	8.7	9.9	10.3	10.7	12.4	15.5	22.2	38.6	60.6	88.6
-45°	8.2	8.7	9.9	10.4	10.7	12.1	14.7	20.0	35.0	53.8	75.2
-47.5°	8.2	8.7	9.9	10.4	10.8	11.9	13.8	18.8	30.4	46.3	66.6
-50°	8.2	8.7	9.9	10.4	10.8	11.6	13.3	17.5	24.5	39.6	57.3
-52.5°	8.2	8.7	10.0	10.5	10.9	11.4	13.0	15.9	21.2	32.5	47.5
-55°	8.2	8.7	10.0	10.5	10.9	11.4	12.6	14.2	19.0	25.1	39.1
-57.5°	8.2	8.7	10.0	10.5	11.0	11.4	12.3	13.8	16.7	21.4	30.2
-60°	8.2	8.7	10.0	10.4	11.0	11.5	11.9	13.3	14.8	18.7	23.0
-62.5°	8.2	8.6	9.9	10.4	11.0	11.5	12.0	12.8	14.2	16.0	20.0
-65°	8.2	8.6	9.8	10.4	10.9	11.6	12.0	12.5	13.7	14.9	16.9
-67.5°	8.2	8.6	9.7	10.4	10.7	11.5	12.1	12.5	13.1	14.3	15.5
-70°	8.2	8.5	9.5	10.3	10.6	11.2	12.1	12.4	12.9	13.6	14.8
-72.5°	8.2	8.5	9.4	10.1	10.5	11.0	11.8	12.3	12.6	13.2	14.0
-75°	8.2	8.5	9.2	9.8	10.3	10.7	11.3	11.9	12.3	12.7	13.3
-77.5°	8.2	8.4	9.1	9.6	10.0	10.4	10.8	11.3	11.7	12.1	12.5
-80°	8.2	8.4	8.9	9.3	9.7	10.0	10.4	10.7	11.0	11.3	11.7
-82.5°	8.2	8.3	8.7	9.0	9.3	9.6	9.8	10.1	10.3	10.6	10.8
-85°	8.2	8.3	8.6	8.7	8.9	9.1	9.3	9.5	9.6	9.8	10.0
-87.5°	8.2	8.2	8.4	8.5	8.6	8.7	8.7	8.8	8.9	9.0	9.1
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
82.5°	8.8	8.7	8.5	8.2	8.2	8.2	8.2	8.4	8.5	8.5	8.4
80°	9.6	9.3	9.0	8.9	9.1	9.4	9.7	9.9	9.8	9.3	8.8
77.5°	10.0	9.8	9.8	10.0	10.3	10.3	10.3	10.3	9.9	9.4	8.9
75°	10.2	10.3	10.3	10.3	10.3	10.3	10.3	10.7	10.8	10.6	10.5
72.5°	10.3	10.3	10.3	10.3	10.4	10.6	11.1	11.9	12.3	12.2	12.1
70°	10.3	10.3	10.3	10.3	10.4	11.1	12.2	13.2	13.9	14.2	15.0
67.5°	10.3	10.3	10.3	10.4	11.1	12.3	13.4	15.4	17.7	18.8	20.1
65°	10.3	10.3	10.5	11.2	12.2	13.7	15.8	18.6	24.0	27.0	28.3
62.5°	10.3	10.4	11.0	12.0	13.3	15.2	19.2	25.2	32.9	37.3	36.9
60°	10.3	10.5	11.6	12.9	14.5	17.6	23.3	31.4	41.7	49.1	44.4
57.5°	10.3	11.0	12.4	14.2	16.6	19.3	26.7	36.7	47.0	58.2	49.7
55°	10.6	11.7	13.6	16.1	18.5	21.0	28.1	36.9	48.4	54.6	46.3
52.5°	11.4	12.7	15.3	17.8	20.1	21.7	24.9	33.3	39.5	44.1	39.6
50°	12.1	14.2	16.8	18.9	20.5	20.4	19.6	26.0	31.0	32.5	32.1
47.5°	13.2	15.6	17.5	19.4	19.7	19.2	17.3	20.3	23.8	25.4	24.2
45°	14.3	16.4	18.2	18.9	19.2	18.4	17.8	16.9	20.6	21.4	20.4
42.5°	15.2	17.0	18.4	18.6	19.3	19.7	19.6	19.0	19.5	20.0	19.8
40°	15.7	17.5	18.7	20.3	20.6	22.4	23.7	23.5	20.0	22.1	22.5
37.5°	16.1	18.1	20.3	24.4	23.9	26.8	29.0	32.0	29.2	27.3	30.7
35°	16.5	18.9	25.8	30.8	31.0	32.8	40.0	43.5	41.3	39.1	43.2
32.5°	17.2	20.0	33.0	38.3	41.3	44.1	54.3	56.2	58.1	59.2	62.4
30°	19.0	26.6	41.3	46.7	53.1	64.2	69.6	71.3	78.8	88.8	116.2
27.5°	22.8	35.3	49.3	57.6	67.8	86.7	93.7	94.7	107.2	133.4	199.3
25°	27.6	55.9	57.7	70.0	89.0	111.6	126.3	140.4	145.1	224.2	381.3
22.5°	38.7	82.3	91.7	83.4	111.7	140.8	172.0	211.7	271.8	363.1	596.1
20°	58.2	111.4	134.0	139.9	146.9	173.9	224.9	304.9	493.0	817.6	1127.1
17.5°	80.7	144.8	181.4	211.1	244.6	255.5	288.6	416.3	771.9	1465.5	2276.8
15°	105.5	181.7	232.6	290.9	352.7	400.2	469.5	669.0	1242.5	2360.4	3753.6
12.5°	131.7	221.3	286.6	377.2	468.6	553.6	683.7	1110.4	2075.1	3625.6	5739.1
10°	158.6	262.4	342.5	468.0	590.2	713.3	905.9	1615.6	3059.7	4973.9	7547.8
7.5°	188.0	302.8	398.1	561.1	714.9	876.2	1131.5	2159.0	4079.2	6219.3	9114.7
5°	216.8	340.6	447.5	635.7	817.0	1017.6	1336.3	2710.0	5090.8	7355.5	10535.2
2.5°	243.5	376.0	495.1	703.5	900.9	1121.0	1448.9	2937.2	5673.2	8193.9	11935.6
0°	266.9	408.5	539.9	765.7	979.1	1217.2	1547.7	3101.6	6073.9	8836.8	13301.5
-2.5°	277.1	420.9	562.1	784.6	975.9	1201.9	1548.3	3156.2	6417.3	9600.4	13991.2
-5°	283.2	429.7	579.9	796.9	968.1	1179.2	1533.3	3132.1	6473.7	9776.9	13718.7
-7.5°	285.9	434.8	592.5	799.5	948.3	1134.2	1464.7	2903.3	5860.0	8967.3	12441.0
-10°	285.1	433.4	587.4	774.5	912.3	1074.1	1373.1	2601.9	5149.6	8053.4	11082.8
-12.5°	279.9	426.5	575.8	747.2	877.1	1011.0	1267.7	2230.8	4370.9	7063.0	9782.9
-15°	272.6	416.7	560.5	718.6	844.5	946.2	1149.1	1792.6	3559.4	6174.4	8739.0
-17.5°	263.5	404.4	541.6	690.0	816.0	880.8	1022.4	1354.1	2833.6	5222.6	7687.9
-20°	253.1	389.7	519.2	662.4	789.7	837.7	955.0	1220.9	2240.6	4162.0	6546.9



REPORT NUMBER: P701573 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	241.6	372.9	495.8	633.4	751.5	815.3	895.9	1079.9	1597.7	3000.8	5314.8
-25°	234.7	355.1	473.0	595.4	713.5	794.0	835.4	944.6	1207.9	2264.3	4015.0
-27.5°	230.1	337.4	442.3	554.4	676.0	767.5	801.7	876.8	1061.7	1500.4	2793.0
-30°	222.0	310.3	408.9	512.6	630.1	725.5	780.3	824.3	936.0	1176.2	1915.7
-32.5°	205.4	281.5	375.3	473.4	579.5	685.3	764.1	806.7	878.9	1003.1	1251.5
-35°	185.8	257.6	341.0	431.7	527.1	635.9	728.5	798.8	832.9	918.5	1077.7
-37.5°	167.8	232.1	305.1	390.0	479.6	579.7	687.8	767.1	823.6	863.0	976.6
-40°	148.0	205.0	273.5	349.4	431.5	523.3	623.6	721.6	797.0	862.3	912.9
-42.5°	127.2	181.2	242.2	307.5	384.8	467.8	556.5	654.2	751.3	839.6	907.9
-45°	111.3	155.6	210.2	271.0	336.9	411.7	493.2	578.5	679.8	781.4	869.9
-47.5°	94.5	130.6	179.9	232.2	291.3	357.0	428.5	508.7	594.3	692.4	796.3
-50°	78.5	111.0	147.3	195.4	246.6	303.6	366.7	437.1	513.9	595.5	685.7
-52.5°	67.1	90.3	122.0	158.5	203.9	252.6	307.6	368.1	434.6	504.1	577.3
-55°	54.9	74.7	97.7	127.7	162.5	204.8	251.0	303.8	357.0	418.8	474.9
-57.5°	43.9	60.0	78.2	99.9	128.2	159.1	199.7	241.7	289.4	337.7	379.0
-60°	33.4	46.6	61.9	78.4	96.7	123.3	150.6	185.6	224.3	261.2	296.7
-62.5°	23.9	34.7	47.1	60.5	75.5	90.9	113.2	137.9	162.5	193.6	222.2
-65°	20.6	24.6	33.6	44.9	56.3	70.8	84.9	98.2	118.9	139.1	158.0
-67.5°	17.0	20.3	24.2	29.9	40.3	52.0	63.8	76.3	88.2	98.6	110.2
-70°	15.7	16.3	18.9	22.5	27.1	34.4	44.9	55.4	65.6	75.5	84.8
-72.5°	14.8	15.3	15.8	16.3	19.9	25.0	30.4	36.2	43.4	51.3	59.6
-75°	13.9	14.3	14.8	15.2	16.4	18.3	20.9	25.5	30.0	34.0	37.8
-77.5°	12.9	13.3	13.7	14.1	14.8	16.0	17.5	19.3	21.6	23.9	26.4
-80°	12.0	12.3	12.6	12.9	13.4	14.0	14.7	15.6	17.0	18.7	20.6
-82.5°	11.1	11.3	11.5	11.7	11.9	12.2	12.4	12.8	13.3	14.1	15.0
-85°	10.1	10.3	10.4	10.6	10.7	10.9	11.0	11.1	11.2	11.4	11.5
-87.5°	9.2	9.2	9.3	9.4	9.5	9.5	9.6	9.7	9.7	9.8	9.9
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2



REPORT NUMBER: P701573 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.2	8.7	9.3	9.8	10.3	11.8	13.3	14.9	16.4	15.9	15.4
87.5°	8.2	7.7	7.2	6.7	6.2	5.7	5.2	4.6	4.1	3.6	3.1
85°	8.2	8.0	7.9	7.9	7.8	7.4	7.0	6.5	6.1	5.1	4.1
82.5°	8.2	8.2	8.2	8.2	8.2	7.7	7.2	6.7	6.2	5.2	4.2
80°	8.3	8.2	8.2	8.2	8.2	7.8	7.3	6.8	6.2	5.3	4.2
77.5°	8.5	8.6	8.6	8.5	8.3	7.8	7.3	6.8	6.3	5.3	4.2
75°	10.3	10.0	9.6	9.1	8.4	7.8	7.3	6.8	6.3	5.7	5.1
72.5°	12.0	11.6	10.9	10.6	10.0	9.6	9.2	8.7	8.0	7.5	7.1
70°	15.8	16.2	15.8	15.0	13.8	12.6	11.8	10.9	10.1	9.2	8.4
67.5°	21.4	21.4	20.3	18.6	16.3	14.1	13.0	11.9	10.8	10.2	10.1
65°	28.0	25.5	23.0	20.2	17.1	14.2	13.1	12.0	10.9	10.3	10.3
62.5°	34.0	27.5	22.2	18.8	16.2	14.2	12.7	11.2	9.8	8.8	8.6
60°	36.7	26.1	18.7	16.3	14.3	12.5	11.1	9.9	8.9	8.1	7.6
57.5°	36.7	24.8	15.8	13.7	12.1	10.7	10.0	9.4	8.8	8.1	7.6
55°	33.4	22.1	13.1	11.8	11.2	10.7	10.1	9.5	8.9	8.2	7.6
52.5°	27.3	19.4	13.9	12.0	11.4	10.8	10.2	9.6	9.0	8.3	7.7
50°	23.7	17.8	14.1	12.1	11.6	11.0	10.4	10.2	10.1	9.7	9.3
47.5°	20.5	16.3	14.0	12.4	12.2	13.0	13.7	13.8	13.5	13.1	12.6
45°	18.0	15.7	14.6	15.2	15.8	17.1	17.8	17.9	17.9	18.0	17.9
42.5°	17.8	17.9	19.1	21.2	21.0	23.7	25.0	22.1	25.3	27.0	25.4
40°	23.6	24.2	29.9	34.5	38.7	39.4	46.1	47.0	47.9	50.7	51.2
37.5°	34.6	40.6	58.2	71.3	76.8	77.3	87.0	89.0	86.3	98.0	101.5
35°	52.9	80.4	108.7	125.1	134.3	141.2	154.4	169.6	162.4	188.5	197.7
32.5°	95.0	145.1	196.7	194.8	212.3	259.1	276.5	304.0	332.8	376.8	425.0
30°	159.8	295.2	354.9	333.1	382.5	449.3	449.8	526.5	633.5	724.4	861.3
27.5°	360.2	511.7	589.8	624.8	662.1	746.5	851.1	948.8	1221.1	1407.2	1602.9
25°	611.4	820.6	904.3	1034.2	1152.1	1230.4	1546.6	1777.4	2168.7	2452.7	2746.7
22.5°	985.8	1262.5	1435.8	1553.3	1950.5	2303.6	2641.5	3144.2	3532.7	4020.0	4387.1
20°	1454.7	1828.4	2464.8	2964.1	3213.6	3963.7	4574.8	5094.4	5783.6	6387.8	6925.1
17.5°	2744.9	2954.9	4284.5	5585.7	6111.6	7081.6	8838.5	9501.4	11485.7	12938.7	13723.4
15°	4970.2	5985.6	7386.0	9555.1	11961.5	13862.5	15527.9	18938.4	22724.6	26080.9	29614.6
12.5°	7859.5	9845.0	12201.8	14855.4	19191.0	22631.5	26316.6	31190.6	37307.0	42630.1	48892.5
10°	10753.8	14108.8	17366.7	21501.5	26978.1	32290.1	37597.8	45317.6	54301.9	62927.9	70386.1
7.5°	13147.0	17695.3	22110.3	27826.7	35286.3	42687.2	50105.6	60316.0	72198.3	82043.0	90506.4
5°	15582.7	21278.7	26457.8	33050.4	41829.9	50843.8	60127.5	72858.9	86893.9	98041.5	106773.6
2.5°	17819.4	24273.7	30268.2	37619.4	47396.2	56215.5	66783.1	82412.6	99136.3	111162.3	120788.7
0°	19625.8	25675.1	32079.5	39477.4	50455.2	60176.8	71501.5	88261.7	105760.9	117776.4	126659.4
-2.5°	19236.9	25355.7	31343.6	38859.9	49880.9	58830.8	70295.7	86786.1	104075.3	116282.9	124261.2
-5°	18023.0	23438.6	28814.9	35874.0	45565.5	54286.7	65514.4	82465.0	99049.1	111497.7	120677.9
-7.5°	16228.0	20826.2	25702.6	32134.9	40571.0	48913.6	58679.1	72188.0	87666.6	98926.9	105580.9
-10°	14338.3	18145.3	22712.1	28148.0	35110.5	42603.6	50713.7	61535.3	74761.5	84636.3	90949.0
-12.5°	12681.9	15980.3	20054.4	24074.7	29755.2	36429.0	43630.4	52486.0	61213.3	71626.4	77084.0
-15°	11156.1	13905.4	17406.2	21260.9	25981.4	31226.6	36386.7	43017.2	48700.5	55205.0	59930.7
-17.5°	9879.4	12075.2	15177.0	18912.7	22467.1	26983.7	31907.9	36399.4	41204.4	45899.8	49818.7
-20°	8725.7	10537.4	13182.2	16471.3	19973.3	23814.0	28159.2	31815.2	35741.5	39309.5	42374.7



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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°	7414.5	9251.6	11299.9	14114.1	17621.2	21064.5	24282.2	27045.2	30012.1	32895.2	35071.7
-25°	6050.0	7813.1	9774.1	12430.0	15303.0	18200.3	20479.1	22424.3	24740.2	26817.8	28685.6
-27.5°	4639.0	6518.8	8633.9	10852.1	13351.1	15192.3	17110.0	18869.3	20629.4	22027.2	23604.6
-30°	3225.1	5276.2	7356.5	9456.0	11167.7	12637.5	14067.8	15681.1	17273.6	18602.2	19715.5
-32.5°	2214.7	3694.3	5793.5	7745.9	9209.1	10458.1	11562.8	12938.6	14172.7	15266.1	16240.2
-35°	1330.2	2372.5	3814.0	5669.5	7270.4	8485.7	9610.9	10654.0	11575.2	12496.1	13228.8
-37.5°	1139.6	1370.4	2244.7	3478.6	5002.1	6472.8	7628.9	8605.3	9463.6	10172.8	10794.5
-40°	1026.2	1162.7	1353.8	1774.8	2896.7	4019.9	5281.6	6394.6	7299.9	7966.0	8507.0
-42.5°	959.2	1046.8	1140.3	1290.3	1457.0	1990.2	2955.5	3877.6	4673.3	5411.2	6044.6
-45°	947.8	984.9	1035.2	1119.8	1196.7	1334.9	1485.7	1633.2	2259.0	2852.2	3338.8
-47.5°	876.8	952.4	998.5	1036.5	1076.8	1142.1	1205.9	1274.1	1387.9	1494.8	1586.5
-50°	773.2	854.6	924.3	992.6	1028.3	1054.8	1081.1	1115.1	1159.5	1200.1	1237.3
-52.5°	646.1	724.3	802.6	875.3	932.1	984.3	1031.3	1053.3	1070.0	1085.3	1097.2
-55°	533.2	595.0	656.7	723.1	788.7	851.2	905.1	940.7	972.8	1001.3	1025.5
-57.5°	426.8	475.0	525.2	579.2	631.6	682.0	730.0	773.8	812.7	846.6	875.0
-60°	330.7	363.1	405.1	447.9	488.7	527.3	566.3	601.7	633.7	661.9	683.9
-62.5°	248.2	275.1	307.0	337.1	363.9	392.8	429.1	459.5	484.5	504.7	522.5
-65°	178.3	200.8	226.4	251.7	276.6	301.3	326.7	351.1	374.5	393.2	406.4
-67.5°	126.5	142.5	160.5	176.2	194.8	216.4	239.4	260.5	279.7	292.9	300.9
-70°	93.3	102.6	115.7	130.7	146.3	160.7	175.3	189.9	204.3	214.5	222.2
-72.5°	68.1	77.3	86.9	96.6	107.1	117.7	128.4	139.2	150.0	156.8	161.4
-75°	41.2	46.7	55.0	63.2	71.0	78.4	85.3	91.8	97.9	101.1	103.2
-77.5°	29.5	33.4	37.5	41.8	46.1	50.4	54.8	59.1	63.4	65.3	66.8
-80°	22.5	24.7	27.0	29.5	32.0	34.7	37.3	40.0	42.8	43.2	43.2
-82.5°	16.0	17.6	19.2	20.7	22.2	23.7	25.1	26.5	27.8	28.1	28.3
-85°	11.6	12.5	13.5	14.5	15.6	16.7	17.8	18.9	20.1	20.2	20.3
-87.5°	9.9	10.5	11.0	11.6	12.1	12.7	13.3	13.9	14.5	14.4	14.4
-90°	8.2	7.7	7.2	6.7	6.2	5.7	5.2	4.6	4.1	3.6	3.1



REPORT NUMBER: P701573 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	14.9	14.4	14.4	14.4	14.4	14.4	14.9	15.4	15.9	16.4	14.9
87.5°	2.6	2.1	1.1	0.0	1.1	2.1	2.6	3.1	3.6	4.1	4.6
85°	3.1	2.1	2.1	2.1	2.1	2.1	3.1	4.1	5.1	6.1	6.5
82.5°	3.2	2.1	2.1	2.1	2.1	2.1	3.2	4.2	5.2	6.2	6.7
80°	3.2	2.1	2.1	2.1	2.1	2.1	3.2	4.2	5.3	6.2	6.8
77.5°	3.2	2.1	2.1	2.1	2.1	2.1	3.2	4.2	5.3	6.3	6.8
75°	4.6	4.1	3.1	2.1	3.1	4.1	4.6	5.1	5.7	6.3	6.8
72.5°	6.6	6.2	6.2	6.2	6.2	6.2	6.6	7.1	7.5	8.0	8.7
70°	7.4	6.3	6.2	6.2	6.2	6.3	7.4	8.4	9.2	10.1	10.9
67.5°	10.1	10.2	9.3	8.2	9.3	10.2	10.1	10.1	10.2	10.8	11.9
65°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.9	12.0
62.5°	8.4	8.3	8.2	8.2	8.2	8.3	8.4	8.6	8.8	9.8	11.2
60°	7.1	6.4	6.2	6.2	6.2	6.4	7.1	7.6	8.1	8.9	9.9
57.5°	7.0	6.4	6.2	6.2	6.2	6.4	7.0	7.6	8.1	8.8	9.4
55°	7.0	6.4	6.2	6.2	6.2	6.4	7.0	7.6	8.2	8.9	9.5
52.5°	7.1	6.5	6.9	8.2	6.9	6.5	7.1	7.7	8.3	9.0	9.6
50°	8.9	8.4	8.2	8.2	8.2	8.4	8.9	9.3	9.7	10.1	10.2
47.5°	11.8	10.8	10.3	10.3	10.3	10.8	11.8	12.6	13.1	13.5	13.8
45°	16.8	15.3	14.3	14.4	14.3	15.3	16.8	17.9	18.0	17.9	17.9
42.5°	25.2	24.7	24.4	24.6	24.4	24.7	25.2	25.4	27.0	25.3	22.1
40°	54.1	54.9	54.6	55.4	54.6	54.9	54.1	51.2	50.7	47.9	47.0
37.5°	101.9	98.5	93.3	94.4	93.3	98.5	101.9	101.5	98.0	86.3	89.0
35°	198.8	203.9	203.5	205.3	203.5	203.9	198.8	197.7	188.5	162.4	169.6
32.5°	459.9	484.3	484.9	494.7	484.9	484.3	459.9	425.0	376.8	332.8	304.0
30°	903.6	923.0	893.7	907.3	893.7	923.0	903.6	861.3	724.4	633.5	526.5
27.5°	1704.6	1776.4	1775.6	1744.8	1775.6	1776.4	1704.6	1602.9	1407.2	1221.1	948.8
25°	2994.0	3105.0	3084.5	3048.3	3084.5	3105.0	2994.0	2746.7	2452.7	2168.7	1777.4
22.5°	4720.5	4903.9	5050.7	4955.2	5050.7	4903.9	4720.5	4387.1	4020.0	3532.7	3144.2
20°	7715.7	7768.1	7924.0	7868.0	7924.0	7768.1	7715.7	6925.1	6387.8	5783.6	5094.4
17.5°	15849.4	16418.0	16022.4	14818.4	16022.4	16418.0	15849.4	13723.4	12938.7	11485.7	9501.4
15°	32096.6	34479.8	36330.4	35314.5	36330.4	34479.8	32096.6	29614.6	26080.9	22724.6	18938.4
12.5°	52562.5	54321.0	55497.5	55583.9	55497.5	54321.0	52562.5	48892.5	42630.1	37307.0	31190.6
10°	75443.7	76997.6	79079.0	79371.5	79079.0	76997.6	75443.7	70386.1	62927.9	54301.9	45317.6
7.5°	94706.7	97857.7	99316.5	99120.5	99316.5	97857.7	94706.7	90506.4	82043.0	72198.3	60316.0
5°	111934.1	115198.6	116628.4	116866.0	116628.4	115198.6	111934.1	106773.6	98041.5	86893.9	72858.9
2.5°	126554.8	129850.6	131568.6	131097.4	131568.6	129850.6	126554.8	120788.7	111162.3	99136.3	82412.6
0°	131285.2	133880.8	135320.7	134925.6	135320.7	133880.8	131285.2	126659.4	117776.4	105760.9	88261.7
-2.5°	128278.1	129842.2	130927.4	130508.2	130927.4	129842.2	128278.1	124261.2	116282.9	104075.3	86786.1
-5°	124945.7	126801.6	127207.6	127704.2	127207.6	126801.6	124945.7	120677.9	111497.7	99049.1	82465.0
-7.5°	108112.1	110097.4	110753.1	111746.6	110753.1	110097.4	108112.1	105580.9	98926.9	87666.6	72188.0
-10°	94383.9	96610.6	96717.9	97330.5	96717.9	96610.6	94383.9	90949.0	84636.3	74761.5	61535.3
-12.5°	82884.7	85948.9	86965.5	86722.2	86965.5	85948.9	82884.7	77084.0	71626.4	61213.3	52486.0
-15°	66222.4	68839.9	69026.7	69149.1	69026.7	68839.9	66222.4	59930.7	55205.0	48700.5	43017.2
-17.5°	53977.2	56520.8	57501.2	57805.9	57501.2	56520.8	53977.2	49818.7	45899.8	41204.4	36399.4
-20°	45006.0	46899.6	48097.3	48593.4	48097.3	46899.6	45006.0	42374.7	39309.5	35741.5	31815.2



REPORT NUMBER: P701573 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	36974.2	38174.5	38612.3	38722.0	38612.3	38174.5	36974.2	35071.7	32895.2	30012.1	27045.2
-25°	29997.7	30951.1	31505.4	31736.7	31505.4	30951.1	29997.7	28685.6	26817.8	24740.2	22424.3
-27.5°	24627.7	25476.2	26009.7	26091.8	26009.7	25476.2	24627.7	23604.6	22027.2	20629.4	18869.3
-30°	20567.9	21313.1	21811.7	21947.4	21811.7	21313.1	20567.9	19715.5	18602.2	17273.6	15681.1
-32.5°	17042.6	17680.4	18071.6	18240.2	18071.6	17680.4	17042.6	16240.2	15266.1	14172.7	12938.6
-35°	13775.8	14204.5	14455.1	14373.0	14455.1	14204.5	13775.8	13228.8	12496.1	11575.2	10654.0
-37.5°	11293.1	11638.1	11825.8	11835.8	11825.8	11638.1	11293.1	10794.5	10172.8	9463.6	8605.3
-40°	8955.2	9305.5	9516.7	9528.6	9516.7	9305.5	8955.2	8507.0	7966.0	7299.9	6394.6
-42.5°	6548.4	6907.1	7152.1	7311.7	7152.1	6907.1	6548.4	6044.6	5411.2	4673.3	3877.6
-45°	3744.8	4054.7	4291.0	4462.6	4291.0	4054.7	3744.8	3338.8	2852.2	2259.0	1633.2
-47.5°	1655.0	1705.2	1727.1	1720.2	1727.1	1705.2	1655.0	1586.5	1494.8	1387.9	1274.1
-50°	1271.5	1301.2	1316.1	1315.8	1316.1	1301.2	1271.5	1237.3	1200.1	1159.5	1115.1
-52.5°	1106.7	1114.2	1118.6	1120.8	1118.6	1114.2	1106.7	1097.2	1085.3	1070.0	1053.3
-55°	1045.5	1061.2	1067.0	1065.3	1067.0	1061.2	1045.5	1025.5	1001.3	972.8	940.7
-57.5°	899.2	918.5	931.5	938.1	931.5	918.5	899.2	875.0	846.6	812.7	773.8
-60°	700.6	712.1	719.3	722.5	719.3	712.1	700.6	683.9	661.9	633.7	601.7
-62.5°	538.1	551.2	557.8	560.4	557.8	551.2	538.1	522.5	504.7	484.5	459.5
-65°	417.9	427.5	432.8	435.2	432.8	427.5	417.9	406.4	393.2	374.5	351.1
-67.5°	307.0	311.3	313.4	314.1	313.4	311.3	307.0	300.9	292.9	279.7	260.5
-70°	229.2	235.5	239.5	242.2	239.5	235.5	229.2	222.2	214.5	204.3	189.9
-72.5°	165.4	168.6	170.9	172.4	170.9	168.6	165.4	161.4	156.8	150.0	139.2
-75°	104.7	105.8	106.5	106.7	106.5	105.8	104.7	103.2	101.1	97.9	91.8
-77.5°	68.1	69.3	70.6	71.8	70.6	69.3	68.1	66.8	65.3	63.4	59.1
-80°	43.1	42.9	43.0	43.1	43.0	42.9	43.1	43.2	43.2	42.8	40.0
-82.5°	28.5	28.6	28.7	28.7	28.7	28.6	28.5	28.3	28.1	27.8	26.5
-85°	20.4	20.5	20.5	20.5	20.5	20.5	20.4	20.3	20.2	20.1	18.9
-87.5°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.5	13.9
-90°	2.6	2.1	1.0	0.0	1.0	2.1	2.6	3.1	3.6	4.1	4.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	13.3	11.8	10.3	9.8	9.3	8.7	8.2	8.2	8.2	8.2	8.2
87.5°	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.2	8.2	8.2	8.2
85°	7.0	7.4	7.8	7.9	7.9	8.0	8.2	8.2	8.2	8.2	8.2
82.5°	7.2	7.7	8.2	8.2	8.2	8.2	8.2	8.4	8.5	8.5	8.4
80°	7.3	7.8	8.2	8.2	8.2	8.2	8.3	8.8	9.3	9.8	9.9
77.5°	7.3	7.8	8.3	8.5	8.6	8.6	8.5	8.9	9.4	9.9	10.3
75°	7.3	7.8	8.4	9.1	9.6	10.0	10.3	10.5	10.6	10.8	10.7
72.5°	9.2	9.6	10.0	10.6	10.9	11.6	12.0	12.1	12.2	12.3	11.9
70°	11.8	12.6	13.8	15.0	15.8	16.2	15.8	15.0	14.2	13.9	13.2
67.5°	13.0	14.1	16.3	18.6	20.3	21.4	21.4	20.1	18.8	17.7	15.4
65°	13.1	14.2	17.1	20.2	23.0	25.5	28.0	28.3	27.0	24.0	18.6
62.5°	12.7	14.2	16.2	18.8	22.2	27.5	34.0	36.9	37.3	32.9	25.2
60°	11.1	12.5	14.3	16.3	18.7	26.1	36.7	44.4	49.1	41.7	31.4
57.5°	10.0	10.7	12.1	13.7	15.8	24.8	36.7	49.7	58.2	47.0	36.7
55°	10.1	10.7	11.2	11.8	13.1	22.1	33.4	46.3	54.6	48.4	36.9
52.5°	10.2	10.8	11.4	12.0	13.9	19.4	27.3	39.6	44.1	39.5	33.3
50°	10.4	11.0	11.6	12.1	14.1	17.8	23.7	32.1	32.5	31.0	26.0
47.5°	13.7	13.0	12.2	12.4	14.0	16.3	20.5	24.2	25.4	23.8	20.3
45°	17.8	17.1	15.8	15.2	14.6	15.7	18.0	20.4	21.4	20.6	16.9
42.5°	25.0	23.7	21.0	21.2	19.1	17.9	17.8	19.8	20.0	19.5	19.0
40°	46.1	39.4	38.7	34.5	29.9	24.2	23.6	22.5	22.1	20.0	23.5
37.5°	87.0	77.3	76.8	71.3	58.2	40.6	34.6	30.7	27.3	29.2	32.0
35°	154.4	141.2	134.3	125.1	108.7	80.4	52.9	43.2	39.1	41.3	43.5
32.5°	276.5	259.1	212.3	194.8	196.7	145.1	95.0	62.4	59.2	58.1	56.2
30°	449.8	449.3	382.5	333.1	354.9	295.2	159.8	116.2	88.8	78.8	71.3
27.5°	851.1	746.5	662.1	624.8	589.8	511.7	360.2	199.3	133.4	107.2	94.7
25°	1546.6	1230.4	1152.1	1034.2	904.3	820.6	611.4	381.3	224.2	145.1	140.4
22.5°	2641.5	2303.6	1950.5	1553.3	1435.8	1262.5	985.8	596.1	363.1	271.8	211.7
20°	4574.8	3963.7	3213.6	2964.1	2464.8	1828.4	1454.7	1127.1	817.6	493.0	304.9
17.5°	8838.5	7081.6	6111.6	5585.7	4284.5	2954.9	2744.9	2276.8	1465.5	771.9	416.3
15°	15527.9	13862.5	11961.5	9555.1	7386.0	5985.6	4970.2	3753.6	2360.4	1242.5	669.0
12.5°	26316.6	22631.5	19191.0	14855.4	12201.8	9845.0	7859.5	5739.1	3625.6	2075.1	1110.4
10°	37597.8	32290.1	26978.1	21501.5	17366.7	14108.8	10753.8	7547.8	4973.9	3059.7	1615.6
7.5°	50105.6	42687.2	35286.3	27826.7	22110.3	17695.3	13147.0	9114.7	6219.3	4079.2	2159.0
5°	60127.5	50843.8	41829.9	33050.4	26457.8	21278.7	15582.7	10535.2	7355.5	5090.8	2710.0
2.5°	66783.1	56215.5	47396.2	37619.4	30268.2	24273.7	17819.4	11935.6	8193.9	5673.2	2937.2
0°	71501.5	60176.8	50455.2	39477.4	32079.5	25675.1	19625.8	13301.5	8836.8	6073.9	3101.6
-2.5°	70295.7	58830.8	49880.9	38859.9	31343.6	25355.7	19236.9	13991.2	9600.4	6417.3	3156.2
-5°	65514.4	54286.7	45565.5	35874.0	28814.9	23438.6	18023.0	13718.7	9776.9	6473.7	3132.1
-7.5°	58679.1	48913.6	40571.0	32134.9	25702.6	20826.2	16228.0	12441.0	8967.3	5860.0	2903.3
-10°	50713.7	42603.6	35110.5	28148.0	22712.1	18145.3	14338.3	11082.8	8053.4	5149.6	2601.9
-12.5°	43630.4	36429.0	29755.2	24074.7	20054.4	15980.3	12681.9	9782.9	7063.0	4370.9	2230.8
-15°	36386.7	31226.6	25981.4	21260.9	17406.2	13905.4	11156.1	8739.0	6174.4	3559.4	1792.6
-17.5°	31907.9	26983.7	22467.1	18912.7	15177.0	12075.2	9879.4	7687.9	5222.6	2833.6	1354.1
-20°	28159.2	23814.0	19973.3	16471.3	13182.2	10537.4	8725.7	6546.9	4162.0	2240.6	1220.9



REPORT NUMBER: P701573 (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°	24282.2	21064.5	17621.2	14114.1	11299.9	9251.6	7414.5	5314.8	3000.8	1597.7	1079.9
-25°	20479.1	18200.3	15303.0	12430.0	9774.1	7813.1	6050.0	4015.0	2264.3	1207.9	944.6
-27.5°	17110.0	15192.3	13351.1	10852.1	8633.9	6518.8	4639.0	2793.0	1500.4	1061.7	876.8
-30°	14067.8	12637.5	11167.7	9456.0	7356.5	5276.2	3225.1	1915.7	1176.2	936.0	824.3
-32.5°	11562.8	10458.1	9209.1	7745.9	5793.5	3694.3	2214.7	1251.5	1003.1	878.9	806.7
-35°	9610.9	8485.7	7270.4	5669.5	3814.0	2372.5	1330.2	1077.7	918.5	832.9	798.8
-37.5°	7628.9	6472.8	5002.1	3478.6	2244.7	1370.4	1139.6	976.6	863.0	823.6	767.1
-40°	5281.6	4019.9	2896.7	1774.8	1353.8	1162.7	1026.2	912.9	862.3	797.0	721.6
-42.5°	2955.5	1990.2	1457.0	1290.3	1140.3	1046.8	959.2	907.9	839.6	751.3	654.2
-45°	1485.7	1334.9	1196.7	1119.8	1035.2	984.9	947.8	869.9	781.4	679.8	578.5
-47.5°	1205.9	1142.1	1076.8	1036.5	998.5	952.4	876.8	796.3	692.4	594.3	508.7
-50°	1081.1	1054.8	1028.3	992.6	924.3	854.6	773.2	685.7	595.5	513.9	437.1
-52.5°	1031.3	984.3	932.1	875.3	802.6	724.3	646.1	577.3	504.1	434.6	368.1
-55°	905.1	851.2	788.7	723.1	656.7	595.0	533.2	474.9	418.8	357.0	303.8
-57.5°	730.0	682.0	631.6	579.2	525.2	475.0	426.8	379.0	337.7	289.4	241.7
-60°	566.3	527.3	488.7	447.9	405.1	363.1	330.7	296.7	261.2	224.3	185.6
-62.5°	429.1	392.8	363.9	337.1	307.0	275.1	248.2	222.2	193.6	162.5	137.9
-65°	326.7	301.3	276.6	251.7	226.4	200.8	178.3	158.0	139.1	118.9	98.2
-67.5°	239.4	216.4	194.8	176.2	160.5	142.5	126.5	110.2	98.6	88.2	76.3
-70°	175.3	160.7	146.3	130.7	115.7	102.6	93.3	84.8	75.5	65.6	55.4
-72.5°	128.4	117.7	107.1	96.6	86.9	77.3	68.1	59.6	51.3	43.4	36.2
-75°	85.3	78.4	71.0	63.2	55.0	46.7	41.2	37.8	34.0	30.0	25.5
-77.5°	54.8	50.4	46.1	41.8	37.5	33.4	29.5	26.4	23.9	21.6	19.3
-80°	37.3	34.7	32.0	29.5	27.0	24.7	22.5	20.6	18.7	17.0	15.6
-82.5°	25.1	23.7	22.2	20.7	19.2	17.6	16.0	15.0	14.1	13.3	12.8
-85°	17.8	16.7	15.6	14.5	13.5	12.5	11.6	11.5	11.4	11.2	11.1
-87.5°	13.3	12.7	12.1	11.6	11.0	10.5	9.9	9.9	9.8	9.7	9.7
-90°	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.2	8.2	8.2	8.2



REPORT NUMBER: P701573 (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°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.4	8.6	8.7
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.6	8.9	9.2
82.5°	8.2	8.2	8.2	8.2	8.5	8.7	8.8	8.8	9.0	9.3	9.6
80°	9.7	9.4	9.1	8.9	9.0	9.3	9.6	9.7	9.6	9.7	9.9
77.5°	10.3	10.3	10.3	10.0	9.8	9.8	10.0	10.3	10.2	10.0	10.1
75°	10.3	10.3	10.3	10.3	10.3	10.3	10.2	10.3	10.3	10.3	10.2
72.5°	11.1	10.6	10.4	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
70°	12.2	11.1	10.4	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
67.5°	13.4	12.3	11.1	10.4	10.3	10.3	10.3	10.3	10.3	10.3	10.3
65°	15.8	13.7	12.2	11.2	10.5	10.3	10.3	10.3	10.3	10.3	10.3
62.5°	19.2	15.2	13.3	12.0	11.0	10.4	10.3	10.3	10.3	10.3	10.3
60°	23.3	17.6	14.5	12.9	11.6	10.5	10.3	10.3	10.3	10.3	10.3
57.5°	26.7	19.3	16.6	14.2	12.4	11.0	10.3	10.3	10.3	10.3	10.3
55°	28.1	21.0	18.5	16.1	13.6	11.7	10.6	10.3	10.3	10.3	10.3
52.5°	24.9	21.7	20.1	17.8	15.3	12.7	11.4	10.3	10.3	10.3	10.3
50°	19.6	20.4	20.5	18.9	16.8	14.2	12.1	10.9	10.3	10.3	10.4
47.5°	17.3	19.2	19.7	19.4	17.5	15.6	13.2	11.6	10.3	10.3	10.6
45°	17.8	18.4	19.2	18.9	18.2	16.4	14.3	12.2	10.9	10.5	10.7
42.5°	19.6	19.7	19.3	18.6	18.4	17.0	15.2	13.0	11.4	10.7	11.0
40°	23.7	22.4	20.6	20.3	18.7	17.5	15.7	13.7	12.0	11.2	11.3
37.5°	29.0	26.8	23.9	24.4	20.3	18.1	16.1	14.2	12.8	11.9	11.6
35°	40.0	32.8	31.0	30.8	25.8	18.9	16.5	14.6	13.7	12.6	12.0
32.5°	54.3	44.1	41.3	38.3	33.0	20.0	17.2	15.9	14.7	13.3	12.4
30°	69.6	64.2	53.1	46.7	41.3	26.6	19.0	17.4	15.7	14.0	12.9
27.5°	93.7	86.7	67.8	57.6	49.3	35.3	22.8	19.2	16.8	14.7	13.4
25°	126.3	111.6	89.0	70.0	57.7	55.9	27.6	21.2	18.1	15.6	14.0
22.5°	172.0	140.8	111.7	83.4	91.7	82.3	38.7	24.9	19.7	16.5	14.5
20°	224.9	173.9	146.9	139.9	134.0	111.4	58.2	29.1	21.3	17.4	15.1
17.5°	288.6	255.5	244.6	211.1	181.4	144.8	80.7	33.7	23.1	18.3	15.6
15°	469.5	400.2	352.7	290.9	232.6	181.7	105.5	38.6	24.9	19.1	15.9
12.5°	683.7	553.6	468.6	377.2	286.6	221.3	131.7	43.6	26.7	19.9	16.1
10°	905.9	713.3	590.2	468.0	342.5	262.4	158.6	49.2	29.1	20.5	16.2
7.5°	1131.5	876.2	714.9	561.1	398.1	302.8	188.0	55.8	31.7	21.1	16.3
5°	1336.3	1017.6	817.0	635.7	447.5	340.6	216.8	62.2	34.3	21.7	16.3
2.5°	1448.9	1121.0	900.9	703.5	495.1	376.0	243.5	68.3	36.7	22.2	16.4
0°	1547.7	1217.2	979.1	765.7	539.9	408.5	266.9	73.9	39.0	22.6	16.4
-2.5°	1548.3	1201.9	975.9	784.6	562.1	420.9	277.1	90.2	49.0	28.1	18.3
-5°	1533.3	1179.2	968.1	796.9	579.9	429.7	283.2	105.5	58.5	33.4	20.1
-7.5°	1464.7	1134.2	948.3	799.5	592.5	434.8	285.9	119.3	67.3	38.2	21.8
-10°	1373.1	1074.1	912.3	774.5	587.4	433.4	285.1	131.3	75.0	42.4	23.2
-12.5°	1267.7	1011.0	877.1	747.2	575.8	426.5	279.9	140.6	81.6	45.8	24.3
-15°	1149.1	946.2	844.5	718.6	560.5	416.7	272.6	147.5	87.1	48.7	25.0
-17.5°	1022.4	880.8	816.0	690.0	541.6	404.4	263.5	152.1	91.1	51.1	26.2
-20°	955.0	837.7	789.7	662.4	519.2	389.7	253.1	154.3	93.5	52.6	27.6



REPORT NUMBER: P701573 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	895.9	815.3	751.5	633.4	495.8	372.9	241.6	153.9	94.1	53.1	28.6
-25°	835.4	794.0	713.5	595.4	473.0	355.1	234.7	150.7	92.8	52.4	29.1
-27.5°	801.7	767.5	676.0	554.4	442.3	337.4	230.1	148.9	90.4	50.6	29.0
-30°	780.3	725.5	630.1	512.6	408.9	310.3	222.0	144.6	88.1	49.4	28.5
-32.5°	764.1	685.3	579.5	473.4	375.3	281.5	205.4	137.6	84.2	48.7	28.3
-35°	728.5	635.9	527.1	431.7	341.0	257.6	185.8	127.8	78.7	47.1	27.7
-37.5°	687.8	579.7	479.6	390.0	305.1	232.1	167.8	114.5	71.4	44.8	26.5
-40°	623.6	523.3	431.5	349.4	273.5	205.0	148.0	102.0	66.6	41.7	24.7
-42.5°	556.5	467.8	384.8	307.5	242.2	181.2	127.2	88.6	60.6	38.6	22.2
-45°	493.2	411.7	336.9	271.0	210.2	155.6	111.3	75.2	53.8	35.0	20.0
-47.5°	428.5	357.0	291.3	232.2	179.9	130.6	94.5	66.6	46.3	30.4	18.8
-50°	366.7	303.6	246.6	195.4	147.3	111.0	78.5	57.3	39.6	24.5	17.5
-52.5°	307.6	252.6	203.9	158.5	122.0	90.3	67.1	47.5	32.5	21.2	15.9
-55°	251.0	204.8	162.5	127.7	97.7	74.7	54.9	39.1	25.1	19.0	14.2
-57.5°	199.7	159.1	128.2	99.9	78.2	60.0	43.9	30.2	21.4	16.7	13.8
-60°	150.6	123.3	96.7	78.4	61.9	46.6	33.4	23.0	18.7	14.8	13.3
-62.5°	113.2	90.9	75.5	60.5	47.1	34.7	23.9	20.0	16.0	14.2	12.8
-65°	84.9	70.8	56.3	44.9	33.6	24.6	20.6	16.9	14.9	13.7	12.5
-67.5°	63.8	52.0	40.3	29.9	24.2	20.3	17.0	15.5	14.3	13.1	12.5
-70°	44.9	34.4	27.1	22.5	18.9	16.3	15.7	14.8	13.6	12.9	12.4
-72.5°	30.4	25.0	19.9	16.3	15.8	15.3	14.8	14.0	13.2	12.6	12.3
-75°	20.9	18.3	16.4	15.2	14.8	14.3	13.9	13.3	12.7	12.3	11.9
-77.5°	17.5	16.0	14.8	14.1	13.7	13.3	12.9	12.5	12.1	11.7	11.3
-80°	14.7	14.0	13.4	12.9	12.6	12.3	12.0	11.7	11.3	11.0	10.7
-82.5°	12.4	12.2	11.9	11.7	11.5	11.3	11.1	10.8	10.6	10.3	10.1
-85°	11.0	10.9	10.7	10.6	10.4	10.3	10.1	10.0	9.8	9.6	9.5
-87.5°	9.6	9.5	9.5	9.4	9.3	9.2	9.2	9.1	9.0	8.9	8.8
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2



REPORT NUMBER: P701573 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	8.7	8.7	8.6	8.5	8.4	8.2	8.2
85°	9.3	9.1	8.9	8.7	8.6	8.3	8.2
82.5°	9.8	9.6	9.3	9.0	8.7	8.3	8.2
80°	10.3	10.0	9.7	9.3	8.9	8.4	8.2
77.5°	10.3	10.3	10.0	9.6	9.1	8.4	8.2
75°	10.3	10.3	10.3	9.8	9.2	8.5	8.2
72.5°	10.3	10.3	10.3	10.1	9.4	8.5	8.2
70°	10.3	10.3	10.3	10.3	9.5	8.5	8.2
67.5°	10.3	10.3	10.3	10.3	9.7	8.6	8.2
65°	10.3	10.3	10.3	10.3	9.8	8.6	8.2
62.5°	10.3	10.3	10.3	10.3	9.9	8.6	8.2
60°	10.3	10.3	10.3	10.3	10.0	8.7	8.2
57.5°	10.3	10.3	10.3	10.3	10.0	8.7	8.2
55°	10.3	10.3	10.3	10.3	10.0	8.7	8.2
52.5°	10.3	10.3	10.3	10.3	10.0	8.7	8.2
50°	10.3	10.3	10.3	10.3	9.9	8.7	8.2
47.5°	10.3	10.3	10.3	10.3	9.9	8.7	8.2
45°	10.5	10.3	10.3	10.3	9.9	8.7	8.2
42.5°	10.7	10.3	10.3	10.3	9.9	8.7	8.2
40°	10.9	10.3	10.3	10.3	9.9	8.7	8.2
37.5°	11.1	10.3	10.3	10.3	10.0	8.7	8.2
35°	11.4	10.4	10.3	10.3	10.0	8.7	8.2
32.5°	11.7	10.6	10.3	10.3	10.0	8.7	8.2
30°	12.1	10.9	10.3	10.3	10.0	8.7	8.2
27.5°	12.4	11.1	10.3	10.3	10.0	8.6	8.2
25°	12.8	11.3	10.3	10.3	10.1	8.6	8.2
22.5°	13.2	11.5	10.3	10.3	10.1	8.6	8.2
20°	13.5	11.7	10.3	10.3	10.1	8.5	8.2
17.5°	13.8	11.8	10.3	10.3	10.2	8.5	8.2
15°	14.0	12.0	10.3	10.3	10.2	8.5	8.2
12.5°	14.1	12.1	10.3	10.3	10.2	8.4	8.2
10°	14.2	12.1	10.3	10.3	10.2	8.4	8.2
7.5°	14.3	12.2	10.3	10.3	10.3	8.3	8.2
5°	14.4	12.3	10.3	10.3	10.3	8.3	8.2
2.5°	14.4	12.3	10.3	10.3	10.3	8.2	8.2
0°	14.4	12.3	10.3	10.3	10.3	8.2	8.2
-2.5°	14.7	12.5	10.5	10.3	10.3	8.2	8.2
-5°	14.9	12.7	10.6	10.3	10.3	8.3	8.2
-7.5°	15.1	12.9	10.8	10.3	10.3	8.3	8.2
-10°	15.3	13.1	11.0	10.3	10.2	8.4	8.2
-12.5°	15.4	13.2	11.1	10.3	10.2	8.4	8.2
-15°	15.6	13.3	11.2	10.3	10.2	8.5	8.2
-17.5°	15.7	13.4	11.3	10.3	10.2	8.5	8.2
-20°	16.2	13.5	11.3	10.3	10.1	8.5	8.2



REPORT NUMBER: P701573 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.1	13.5	11.4	10.3	10.1	8.6	8.2
-25°	17.7	13.6	11.4	10.3	10.1	8.6	8.2
-27.5°	18.0	13.6	11.3	10.3	10.0	8.6	8.2
-30°	17.9	13.5	11.2	10.3	10.0	8.7	8.2
-32.5°	17.4	13.3	11.1	10.3	10.0	8.7	8.2
-35°	17.0	13.1	11.0	10.3	10.0	8.7	8.2
-37.5°	16.7	12.8	10.9	10.3	10.0	8.7	8.2
-40°	16.2	12.6	10.7	10.3	9.9	8.7	8.2
-42.5°	15.5	12.4	10.7	10.3	9.9	8.7	8.2
-45°	14.7	12.1	10.7	10.4	9.9	8.7	8.2
-47.5°	13.8	11.9	10.8	10.4	9.9	8.7	8.2
-50°	13.3	11.6	10.8	10.4	9.9	8.7	8.2
-52.5°	13.0	11.4	10.9	10.5	10.0	8.7	8.2
-55°	12.6	11.4	10.9	10.5	10.0	8.7	8.2
-57.5°	12.3	11.4	11.0	10.5	10.0	8.7	8.2
-60°	11.9	11.5	11.0	10.4	10.0	8.7	8.2
-62.5°	12.0	11.5	11.0	10.4	9.9	8.6	8.2
-65°	12.0	11.6	10.9	10.4	9.8	8.6	8.2
-67.5°	12.1	11.5	10.7	10.4	9.7	8.6	8.2
-70°	12.1	11.2	10.6	10.3	9.5	8.5	8.2
-72.5°	11.8	11.0	10.5	10.1	9.4	8.5	8.2
-75°	11.3	10.7	10.3	9.8	9.2	8.5	8.2
-77.5°	10.8	10.4	10.0	9.6	9.1	8.4	8.2
-80°	10.4	10.0	9.7	9.3	8.9	8.4	8.2
-82.5°	9.8	9.6	9.3	9.0	8.7	8.3	8.2
-85°	9.3	9.1	8.9	8.7	8.6	8.3	8.2
-87.5°	8.7	8.7	8.6	8.5	8.4	8.2	8.2
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2

(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

