

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P624758 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-04-E-PRO-5700K-44**

Issue Date: 11/8/2022



Test Information

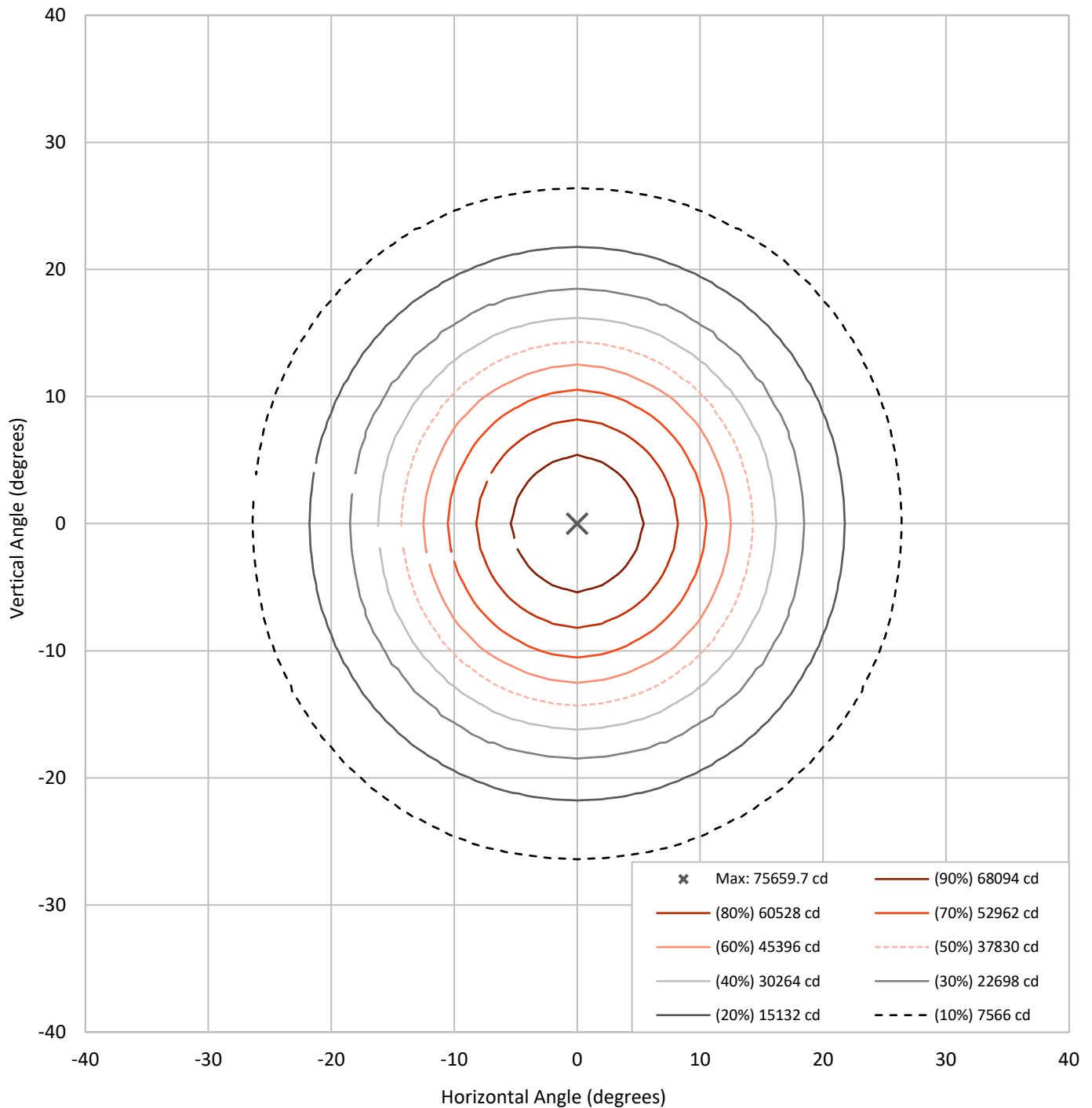
Test Method: LM-79-08
Report Number: P624758 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-8)
Test Lab: INNOVATION CENTER
Issue Date: 11/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-04-E-PRO-5700K-44
Description: EPHESUS LUMAVISION CCT TUNING FLOOD
3000K AND TYPE 44 OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	23394.4 lumens	Max Intensity:	75659.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	123.8 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	28.6°H x 28.6°V	Field Angle (10%):	52.7°H x 52.7°V
Beam Lumens:	11256.8 lumens	Field Lumens:	19006.4 lumens
Beam Efficiency:	48.1%	Field Efficiency:	81.2%
Input Watts (W):	189		
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





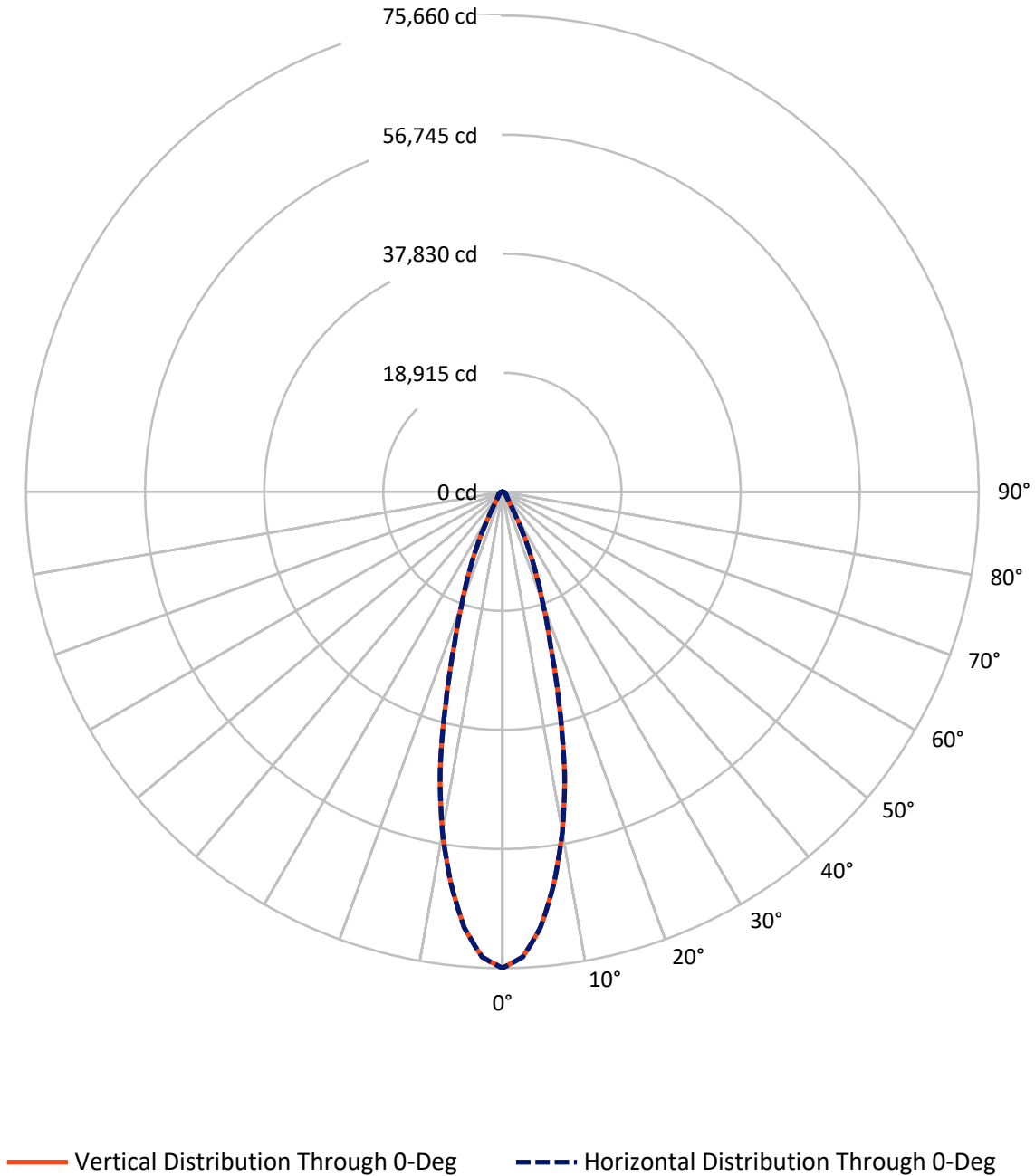
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Lumen Table

90	0.5		4.0		10.1		16.1		18.5		16.1		10.1		4.0		0.5		
80	0.5		4.0		10.1		16.1		18.5		16.1		10.1		4.0		0.5		
70	1.8	1.9	3.9	6.4	9.0	11.3	13.0	14.0	14.0	13.0	11.3	9.0	6.4	3.9	1.9	1.8			
60		2.9	5.9	9.5	13.1	16.3	18.7	20.0	20.0	18.7	16.3	13.1	9.5	5.9	2.9				
50	3.1	3.9	7.7	12.2	16.7	21.3	25.4	28.0	28.0	25.4	21.3	16.7	12.2	7.7	3.9	3.1			
40		4.7	9.2	14.5	20.8	29.6	43.2	57.4	57.4	43.2	29.6	20.8	14.5	9.2	4.7				
30	4.1	5.3	10.4	16.6	26.8	56.1	153.9	278.8	278.8	153.9	56.1	26.8	16.6	10.4	5.3	4.1			
20		5.8	11.2	18.6	36.9	145.3	499.5	963.8	963.8	499.5	145.3	36.9	18.6	11.2	5.8				
10	4.4	6.0	11.6	20.0	47.7	256.0	937.7	1849.0	1849.0	937.7	256.0	47.7	20.0	11.6	6.0	4.4			
0		6.0	11.6	20.0	47.7	256.0	937.7	1849.0	1849.0	937.7	256.0	47.7	20.0	11.6	6.0				
-10	4.1	5.8	11.2	18.6	36.9	145.3	499.5	963.8	963.8	499.5	145.3	36.9	18.6	11.2	5.8	4.1			
-20		5.3	10.4	16.6	26.8	56.1	153.9	278.8	278.8	153.9	56.1	26.8	16.6	10.4	5.3				
-30	3.1	4.7	9.2	14.5	20.8	29.6	43.2	57.4	57.4	43.2	29.6	20.8	14.5	9.2	4.7	3.1			
-40		3.9	7.7	12.2	16.7	21.3	25.4	28.0	28.0	25.4	21.3	16.7	12.2	7.7	3.9				
-50	1.8	2.9	5.9	9.5	13.1	16.3	18.7	20.0	20.0	18.7	16.3	13.1	9.5	5.9	2.9	1.8			
-60		1.9	3.9	6.4	9.0	11.3	13.0	14.0	14.0	13.0	11.3	9.0	6.4	3.9	1.9				
-70	0.5		4.0		10.1		16.1		18.5		16.1		10.1		4.0		0.5		
-80	0.5		4.0		10.1		16.1		18.5		16.1		10.1		4.0		0.5		
-90	0.5		4.0		10.1		16.1		18.5		16.1		10.1		4.0		0.5		
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

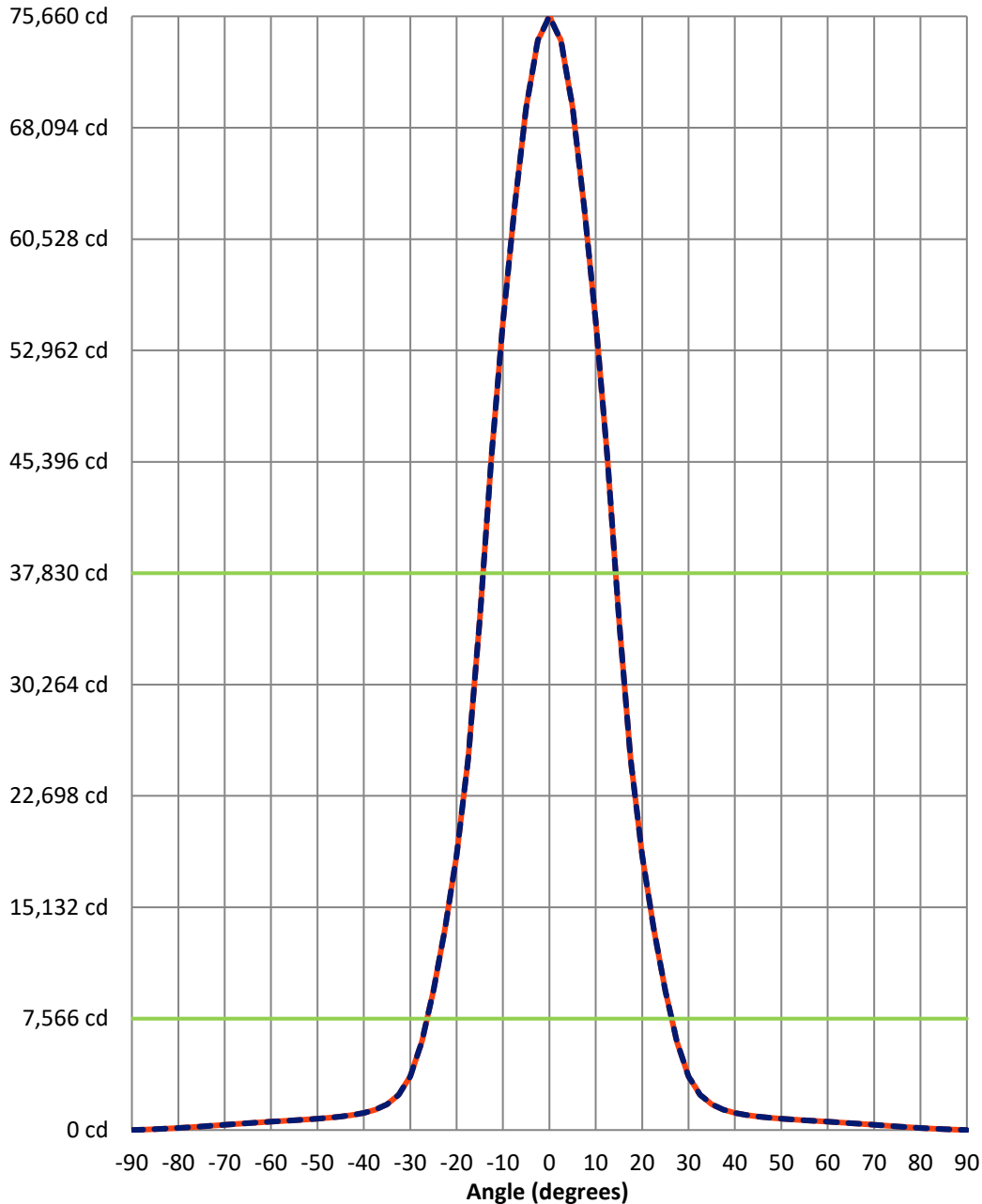
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 28.6°
 V Angle: 28.6°
 Lumens: 11256.8
 Efficiency: 48.1%

Field:
 H Angle: 52.7°
 V Angle: 52.7°
 Lumens: 19006.4
 Efficiency: 81.2%

Spill:
 Lumens: 4388
 Efficiency: 18.8%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.2	2.3	3.5	4.7	5.8	6.9	8.1	9.2	10.3	11.3
85°	0.0	2.3	4.7	7.0	9.3	11.6	13.9	16.1	18.3	20.5	22.6
82.5°	0.0	3.5	7.0	10.5	13.9	17.4	20.8	24.1	27.6	31.8	35.9
80°	0.0	4.7	9.3	13.9	18.5	23.1	27.8	33.5	39.2	44.7	50.2
77.5°	0.0	5.8	11.6	17.4	23.1	29.3	36.5	43.6	50.7	57.6	64.6
75°	0.0	6.9	13.9	20.8	27.8	36.5	45.1	53.7	62.1	71.0	79.7
72.5°	0.0	8.1	16.1	24.1	33.5	43.6	53.7	63.8	74.2	84.5	94.7
70°	0.0	9.2	18.3	27.6	39.2	50.7	62.1	74.2	86.1	97.9	111.1
67.5°	0.0	10.3	20.5	31.8	44.7	57.6	71.0	84.5	97.9	112.9	127.6
65°	0.0	11.3	22.6	35.9	50.2	64.6	79.7	94.7	111.1	127.6	144.7
62.5°	0.0	12.4	24.7	39.9	55.5	71.8	88.3	105.6	123.9	142.6	163.5
60°	0.0	13.4	26.8	43.8	60.7	78.8	96.7	116.6	136.6	159.2	181.9
57.5°	0.0	14.4	29.3	47.6	66.2	85.6	105.8	127.4	150.6	175.4	201.2
55°	0.0	15.4	31.8	51.3	71.5	92.2	114.8	138.0	164.7	191.7	220.6
52.5°	0.0	16.3	34.2	54.9	76.6	98.8	123.6	149.8	178.4	208.7	239.5
50°	0.0	17.2	36.5	58.4	81.6	105.9	132.1	161.4	192.1	225.2	259.4
47.5°	0.0	18.1	38.8	61.9	86.4	112.7	140.5	172.6	206.3	241.1	278.8
45°	0.0	18.9	40.9	65.3	91.1	119.2	149.7	183.4	219.9	257.9	297.5
42.5°	0.0	19.8	43.0	68.6	95.5	125.5	158.6	194.4	233.0	274.0	314.8
40°	0.0	20.5	45.0	71.8	100.0	131.5	167.1	205.4	245.9	289.5	331.3
37.5°	0.0	21.3	46.8	74.8	104.5	137.2	175.1	215.8	258.9	304.0	347.0
35°	0.0	22.0	48.6	77.7	108.9	143.2	182.7	225.6	271.3	317.4	361.9
32.5°	0.0	22.6	50.3	80.3	112.9	149.2	190.1	234.9	282.9	329.9	376.0
30°	0.0	23.2	51.8	82.8	116.7	154.8	197.5	243.7	293.8	341.7	389.2
27.5°	0.0	23.8	53.3	85.1	120.2	159.9	204.4	252.5	303.7	352.7	401.4
25°	0.0	24.3	54.6	87.3	123.4	164.7	210.7	260.6	312.6	362.8	412.7
22.5°	0.0	24.8	55.8	89.2	126.3	169.0	216.5	268.0	320.8	372.0	422.2
20°	0.0	25.2	56.9	90.9	129.0	172.9	221.7	274.6	328.1	380.3	430.7
17.5°	0.0	25.6	57.8	92.5	131.3	176.4	226.3	280.5	334.6	387.7	438.3
15°	0.0	25.9	58.7	93.8	133.4	179.4	230.3	285.7	340.3	394.2	444.9
12.5°	0.0	26.2	59.4	95.0	135.1	181.9	233.7	290.1	345.1	399.7	450.6
10°	0.0	26.4	60.0	95.9	136.6	184.0	236.5	293.7	349.1	404.2	455.2
7.5°	0.0	26.6	60.4	96.7	137.7	185.7	238.7	296.5	352.2	407.7	458.8
5°	0.0	26.7	60.7	97.2	138.5	186.9	240.2	298.5	354.4	410.3	461.4
2.5°	0.0	26.8	60.9	97.5	138.9	187.6	241.2	299.7	355.8	411.8	463.0
0°	0.0	26.8	61.0	97.6	139.1	187.8	241.5	300.1	356.2	412.3	463.5
-2.5°	0.0	26.8	60.9	97.5	138.9	187.6	241.2	299.7	355.8	411.8	463.0
-5°	0.0	26.7	60.7	97.2	138.5	186.9	240.2	298.5	354.4	410.3	461.4
-7.5°	0.0	26.6	60.4	96.7	137.7	185.7	238.7	296.5	352.2	407.7	458.8
-10°	0.0	26.4	60.0	95.9	136.6	184.0	236.5	293.7	349.1	404.2	455.2
-12.5°	0.0	26.2	59.4	95.0	135.1	181.9	233.7	290.1	345.1	399.7	450.6
-15°	0.0	25.9	58.7	93.8	133.4	179.4	230.3	285.7	340.3	394.2	444.9
-17.5°	0.0	25.6	57.8	92.5	131.3	176.4	226.3	280.5	334.6	387.7	438.3
-20°	0.0	25.2	56.9	90.9	129.0	172.9	221.7	274.6	328.1	380.3	430.7

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REPORT NUMBER: P624758 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	24.8	55.8	89.2	126.3	169.0	216.5	268.0	320.8	372.0	422.2
-25°	0.0	24.3	54.6	87.3	123.4	164.7	210.7	260.6	312.6	362.8	412.7
-27.5°	0.0	23.8	53.3	85.1	120.2	159.9	204.4	252.5	303.7	352.7	401.4
-30°	0.0	23.2	51.8	82.8	116.7	154.8	197.5	243.7	293.8	341.7	389.2
-32.5°	0.0	22.6	50.3	80.3	112.9	149.2	190.1	234.9	282.9	329.9	376.0
-35°	0.0	22.0	48.6	77.7	108.9	143.2	182.7	225.6	271.3	317.4	361.9
-37.5°	0.0	21.3	46.8	74.8	104.5	137.2	175.1	215.8	258.9	304.0	347.0
-40°	0.0	20.5	45.0	71.8	100.0	131.5	167.1	205.4	245.9	289.5	331.3
-42.5°	0.0	19.8	43.0	68.6	95.5	125.5	158.6	194.4	233.0	274.0	314.8
-45°	0.0	18.9	40.9	65.3	91.1	119.2	149.7	183.4	219.9	257.9	297.5
-47.5°	0.0	18.1	38.8	61.9	86.4	112.7	140.5	172.6	206.3	241.1	278.8
-50°	0.0	17.2	36.5	58.4	81.6	105.9	132.1	161.4	192.1	225.2	259.4
-52.5°	0.0	16.3	34.2	54.9	76.6	98.8	123.6	149.8	178.4	208.7	239.5
-55°	0.0	15.4	31.8	51.3	71.5	92.2	114.8	138.0	164.7	191.7	220.6
-57.5°	0.0	14.4	29.3	47.6	66.2	85.6	105.8	127.4	150.6	175.4	201.2
-60°	0.0	13.4	26.8	43.8	60.7	78.8	96.7	116.6	136.6	159.2	181.9
-62.5°	0.0	12.4	24.7	39.9	55.5	71.8	88.3	105.6	123.9	142.6	163.5
-65°	0.0	11.3	22.6	35.9	50.2	64.6	79.7	94.7	111.1	127.6	144.7
-67.5°	0.0	10.3	20.5	31.8	44.7	57.6	71.0	84.5	97.9	112.9	127.6
-70°	0.0	9.2	18.3	27.6	39.2	50.7	62.1	74.2	86.1	97.9	111.1
-72.5°	0.0	8.1	16.1	24.1	33.5	43.6	53.7	63.8	74.2	84.5	94.7
-75°	0.0	6.9	13.9	20.8	27.8	36.5	45.1	53.7	62.1	71.0	79.7
-77.5°	0.0	5.8	11.6	17.4	23.1	29.3	36.5	43.6	50.7	57.6	64.6
-80°	0.0	4.7	9.3	13.9	18.5	23.1	27.8	33.5	39.2	44.7	50.2
-82.5°	0.0	3.5	7.0	10.5	13.9	17.4	20.8	24.1	27.6	31.8	35.9
-85°	0.0	2.3	4.7	7.0	9.3	11.6	13.9	16.1	18.3	20.5	22.6
-87.5°	0.0	1.2	2.3	3.5	4.7	5.8	6.9	8.1	9.2	10.3	11.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.4	13.4	14.4	15.4	16.3	17.2	18.1	18.9	19.8	20.5	21.3
85°	24.7	26.8	29.3	31.8	34.2	36.5	38.8	40.9	43.0	45.0	46.8
82.5°	39.9	43.8	47.6	51.3	54.9	58.4	61.9	65.3	68.6	71.8	74.8
80°	55.5	60.7	66.2	71.5	76.6	81.6	86.4	91.1	95.5	100.0	104.5
77.5°	71.8	78.8	85.6	92.2	98.8	105.9	112.7	119.2	125.5	131.5	137.2
75°	88.3	96.7	105.8	114.8	123.6	132.1	140.5	149.7	158.6	167.1	175.1
72.5°	105.6	116.6	127.4	138.0	149.8	161.4	172.6	183.4	194.4	205.4	215.8
70°	123.9	136.6	150.6	164.7	178.4	192.1	206.3	219.9	233.0	245.9	258.9
67.5°	142.6	159.2	175.4	191.7	208.7	225.2	241.1	257.9	274.0	289.5	304.0
65°	163.5	181.9	201.2	220.6	239.5	259.4	278.8	297.5	314.8	331.3	347.0
62.5°	184.1	206.0	227.9	249.9	272.6	294.6	315.3	335.0	354.0	372.2	389.6
60°	206.0	230.3	255.2	280.5	305.1	328.1	350.4	372.0	392.8	412.7	430.1
57.5°	227.9	255.2	283.2	310.2	335.8	360.8	385.0	408.5	429.4	449.3	468.5
55°	249.9	280.5	310.2	338.4	366.0	392.9	418.4	441.5	463.9	486.4	507.9
52.5°	272.6	305.1	335.8	366.0	395.5	423.3	448.9	474.2	499.3	523.6	546.8
50°	294.6	328.1	360.8	392.9	423.3	451.3	479.4	507.2	534.1	560.1	582.5
47.5°	315.3	350.4	385.0	418.4	448.9	479.4	509.8	539.5	568.2	591.4	613.2
45°	335.0	372.0	408.5	441.5	474.2	507.2	539.5	570.9	595.9	620.3	644.9
42.5°	354.0	392.8	429.4	463.9	499.3	534.1	568.2	595.9	622.7	649.8	678.2
40°	372.2	412.7	449.3	486.4	523.6	560.1	591.4	620.3	649.8	681.1	713.2
37.5°	389.6	430.1	468.5	507.9	546.8	582.5	613.2	644.9	678.2	713.2	747.2
35°	406.1	446.7	487.4	528.5	569.0	602.0	635.2	669.6	707.3	744.2	782.5
32.5°	420.9	462.3	505.3	547.9	586.6	620.9	656.2	695.7	735.2	775.0	821.1
30°	434.2	477.7	522.2	566.3	602.8	639.4	678.5	720.4	761.6	809.6	863.2
27.5°	446.7	492.0	537.9	581.1	618.2	656.7	700.1	743.7	790.7	844.1	906.0
25°	458.2	505.3	552.4	594.1	633.1	674.7	720.3	765.4	819.3	881.6	955.7
22.5°	468.9	517.5	565.8	606.0	646.7	691.8	738.9	789.3	848.3	916.9	1004.4
20°	478.9	528.5	576.6	616.9	659.1	707.5	755.8	811.7	877.9	958.5	1059.5
17.5°	487.7	538.3	585.4	627.1	671.7	721.4	771.5	831.8	904.5	996.0	1114.1
15°	495.5	546.8	593.1	636.0	682.9	733.7	787.9	853.0	932.0	1032.5	1163.4
12.5°	502.1	554.1	599.7	643.6	692.6	744.2	801.9	871.6	958.4	1071.1	1229.0
10°	507.5	560.1	605.1	649.9	700.5	752.9	813.4	887.0	980.2	1103.1	1283.7
7.5°	511.7	564.8	609.3	654.8	706.7	759.7	822.5	899.1	997.4	1128.3	1326.9
5°	514.8	568.2	612.4	658.3	711.2	764.6	829.1	907.8	1009.7	1146.5	1358.0
2.5°	516.6	570.2	614.2	660.4	713.9	767.5	833.0	913.0	1017.2	1157.5	1376.9
0°	517.2	570.9	614.8	661.1	714.8	768.5	834.3	914.8	1019.7	1161.2	1383.2
-2.5°	516.6	570.2	614.2	660.4	713.9	767.5	833.0	913.0	1017.2	1157.5	1376.9
-5°	514.8	568.2	612.4	658.3	711.2	764.6	829.1	907.8	1009.7	1146.5	1358.0
-7.5°	511.7	564.8	609.3	654.8	706.7	759.7	822.5	899.1	997.4	1128.3	1326.9
-10°	507.5	560.1	605.1	649.9	700.5	752.9	813.4	887.0	980.2	1103.1	1283.7
-12.5°	502.1	554.1	599.7	643.6	692.6	744.2	801.9	871.6	958.4	1071.1	1229.0
-15°	495.5	546.8	593.1	636.0	682.9	733.7	787.9	853.0	932.0	1032.5	1163.4
-17.5°	487.7	538.3	585.4	627.1	671.7	721.4	771.5	831.8	904.5	996.0	1114.1
-20°	478.9	528.5	576.6	616.9	659.1	707.5	755.8	811.7	877.9	958.5	1059.5



REPORT NUMBER: P624758 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	468.9	517.5	565.8	606.0	646.7	691.8	738.9	789.3	848.3	916.9	1004.4
-25°	458.2	505.3	552.4	594.1	633.1	674.7	720.3	765.4	819.3	881.6	955.7
-27.5°	446.7	492.0	537.9	581.1	618.2	656.7	700.1	743.7	790.7	844.1	906.0
-30°	434.2	477.7	522.2	566.3	602.8	639.4	678.5	720.4	761.6	809.6	863.2
-32.5°	420.9	462.3	505.3	547.9	586.6	620.9	656.2	695.7	735.2	775.0	821.1
-35°	406.1	446.7	487.4	528.5	569.0	602.0	635.2	669.6	707.3	744.2	782.5
-37.5°	389.6	430.1	468.5	507.9	546.8	582.5	613.2	644.9	678.2	713.2	747.2
-40°	372.2	412.7	449.3	486.4	523.6	560.1	591.4	620.3	649.8	681.1	713.2
-42.5°	354.0	392.8	429.4	463.9	499.3	534.1	568.2	595.9	622.7	649.8	678.2
-45°	335.0	372.0	408.5	441.5	474.2	507.2	539.5	570.9	595.9	620.3	644.9
-47.5°	315.3	350.4	385.0	418.4	448.9	479.4	509.8	539.5	568.2	591.4	613.2
-50°	294.6	328.1	360.8	392.9	423.3	451.3	479.4	507.2	534.1	560.1	582.5
-52.5°	272.6	305.1	335.8	366.0	395.5	423.3	448.9	474.2	499.3	523.6	546.8
-55°	249.9	280.5	310.2	338.4	366.0	392.9	418.4	441.5	463.9	486.4	507.9
-57.5°	227.9	255.2	283.2	310.2	335.8	360.8	385.0	408.5	429.4	449.3	468.5
-60°	206.0	230.3	255.2	280.5	305.1	328.1	350.4	372.0	392.8	412.7	430.1
-62.5°	184.1	206.0	227.9	249.9	272.6	294.6	315.3	335.0	354.0	372.2	389.6
-65°	163.5	181.9	201.2	220.6	239.5	259.4	278.8	297.5	314.8	331.3	347.0
-67.5°	142.6	159.2	175.4	191.7	208.7	225.2	241.1	257.9	274.0	289.5	304.0
-70°	123.9	136.6	150.6	164.7	178.4	192.1	206.3	219.9	233.0	245.9	258.9
-72.5°	105.6	116.6	127.4	138.0	149.8	161.4	172.6	183.4	194.4	205.4	215.8
-75°	88.3	96.7	105.8	114.8	123.6	132.1	140.5	149.7	158.6	167.1	175.1
-77.5°	71.8	78.8	85.6	92.2	98.8	105.9	112.7	119.2	125.5	131.5	137.2
-80°	55.5	60.7	66.2	71.5	76.6	81.6	86.4	91.1	95.5	100.0	104.5
-82.5°	39.9	43.8	47.6	51.3	54.9	58.4	61.9	65.3	68.6	71.8	74.8
-85°	24.7	26.8	29.3	31.8	34.2	36.5	38.8	40.9	43.0	45.0	46.8
-87.5°	12.4	13.4	14.4	15.4	16.3	17.2	18.1	18.9	19.8	20.5	21.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624758 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	22.0	22.6	23.2	23.8	24.3	24.8	25.2	25.6	25.9	26.2	26.4
85°	48.6	50.3	51.8	53.3	54.6	55.8	56.9	57.8	58.7	59.4	60.0
82.5°	77.7	80.3	82.8	85.1	87.3	89.2	90.9	92.5	93.8	95.0	95.9
80°	108.9	112.9	116.7	120.2	123.4	126.3	129.0	131.3	133.4	135.1	136.6
77.5°	143.2	149.2	154.8	159.9	164.7	169.0	172.9	176.4	179.4	181.9	184.0
75°	182.7	190.1	197.5	204.4	210.7	216.5	221.7	226.3	230.3	233.7	236.5
72.5°	225.6	234.9	243.7	252.5	260.6	268.0	274.6	280.5	285.7	290.1	293.7
70°	271.3	282.9	293.8	303.7	312.6	320.8	328.1	334.6	340.3	345.1	349.1
67.5°	317.4	329.9	341.7	352.7	362.8	372.0	380.3	387.7	394.2	399.7	404.2
65°	361.9	376.0	389.2	401.4	412.7	422.2	430.7	438.3	444.9	450.6	455.2
62.5°	406.1	420.9	434.2	446.7	458.2	468.9	478.9	487.7	495.5	502.1	507.5
60°	446.7	462.3	477.7	492.0	505.3	517.5	528.5	538.3	546.8	554.1	560.1
57.5°	487.4	505.3	522.2	537.9	552.4	565.8	576.6	585.4	593.1	599.7	605.1
55°	528.5	547.9	566.3	581.1	594.1	606.0	616.9	627.1	636.0	643.6	649.9
52.5°	569.0	586.6	602.8	618.2	633.1	646.7	659.1	671.7	682.9	692.6	700.5
50°	602.0	620.9	639.4	656.7	674.7	691.8	707.5	721.4	733.7	744.2	752.9
47.5°	635.2	656.2	678.5	700.1	720.3	738.9	755.8	771.5	787.9	801.9	813.4
45°	669.6	695.7	720.4	743.7	765.4	789.3	811.7	831.8	853.0	871.6	887.0
42.5°	707.3	735.2	761.6	790.7	819.3	848.3	877.9	904.5	932.0	958.4	980.2
40°	744.2	775.0	809.6	844.1	881.6	916.9	958.5	996.0	1032.5	1071.1	1103.1
37.5°	782.5	821.1	863.2	906.0	955.7	1004.4	1059.5	1114.1	1163.4	1229.0	1283.7
35°	825.0	872.9	922.6	982.0	1044.4	1114.9	1190.6	1283.2	1365.6	1471.1	1568.7
32.5°	872.9	929.1	995.4	1072.1	1152.8	1266.6	1376.3	1535.6	1681.7	1857.0	2046.2
30°	922.6	995.4	1081.4	1178.1	1313.1	1476.2	1669.4	1923.6	2205.5	2506.0	2906.3
27.5°	982.0	1072.1	1178.1	1328.7	1529.3	1755.5	2124.7	2530.7	3122.9	3642.4	4464.2
25°	1044.4	1152.8	1313.1	1529.3	1804.8	2227.2	2839.6	3549.5	4674.1	5740.1	6957.0
22.5°	1114.9	1266.6	1476.2	1755.5	2227.2	2944.0	3875.7	5315.2	6932.3	8657.5	10278.7
20°	1190.6	1376.3	1669.4	2124.7	2839.6	3875.7	5532.6	7607.8	9776.3	12079.1	14140.2
17.5°	1283.2	1535.6	1923.6	2530.7	3549.5	5315.2	7607.8	10216.4	13012.6	15891.7	18514.6
15°	1365.6	1681.7	2205.5	3122.9	4674.1	6932.3	9776.3	13012.6	16492.4	20163.5	24036.3
12.5°	1471.1	1857.0	2506.0	3642.4	5740.1	8657.5	12079.1	15891.7	20163.5	24977.0	31102.0
10°	1568.7	2046.2	2906.3	4464.2	6957.0	10278.7	14140.2	18514.6	24036.3	31102.0	38647.6
7.5°	1645.8	2196.3	3225.0	5122.6	8031.9	11730.4	16062.4	21323.6	28169.2	36717.8	45767.4
5°	1701.6	2305.1	3456.7	5603.1	8819.8	12800.6	17490.5	23469.9	31726.1	41529.6	50595.0
2.5°	1735.4	2371.1	3597.5	5895.6	9301.1	13457.1	18371.7	24805.2	33965.6	44615.4	53784.7
0°	1746.7	2393.2	3644.7	5993.9	9463.0	13678.5	18669.8	25258.9	34731.7	45682.7	54909.1
-2.5°	1735.4	2371.1	3597.5	5895.6	9301.1	13457.1	18371.7	24805.2	33965.6	44615.4	53784.7
-5°	1701.6	2305.1	3456.7	5603.1	8819.8	12800.6	17490.5	23469.9	31726.1	41529.6	50595.0
-7.5°	1645.8	2196.3	3225.0	5122.6	8031.9	11730.4	16062.4	21323.6	28169.2	36717.8	45767.4
-10°	1568.7	2046.2	2906.3	4464.2	6957.0	10278.7	14140.2	18514.6	24036.3	31102.0	38647.6
-12.5°	1471.1	1857.0	2506.0	3642.4	5740.1	8657.5	12079.1	15891.7	20163.5	24977.0	31102.0
-15°	1365.6	1681.7	2205.5	3122.9	4674.1	6932.3	9776.3	13012.6	16492.4	20163.5	24036.3
-17.5°	1283.2	1535.6	1923.6	2530.7	3549.5	5315.2	7607.8	10216.4	13012.6	15891.7	18514.6
-20°	1190.6	1376.3	1669.4	2124.7	2839.6	3875.7	5532.6	7607.8	9776.3	12079.1	14140.2

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P624758 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1114.9	1266.6	1476.2	1755.5	2227.2	2944.0	3875.7	5315.2	6932.3	8657.5	10278.7
-25°	1044.4	1152.8	1313.1	1529.3	1804.8	2227.2	2839.6	3549.5	4674.1	5740.1	6957.0
-27.5°	982.0	1072.1	1178.1	1328.7	1529.3	1755.5	2124.7	2530.7	3122.9	3642.4	4464.2
-30°	922.6	995.4	1081.4	1178.1	1313.1	1476.2	1669.4	1923.6	2205.5	2506.0	2906.3
-32.5°	872.9	929.1	995.4	1072.1	1152.8	1266.6	1376.3	1535.6	1681.7	1857.0	2046.2
-35°	825.0	872.9	922.6	982.0	1044.4	1114.9	1190.6	1283.2	1365.6	1471.1	1568.7
-37.5°	782.5	821.1	863.2	906.0	955.7	1004.4	1059.5	1114.1	1163.4	1229.0	1283.7
-40°	744.2	775.0	809.6	844.1	881.6	916.9	958.5	996.0	1032.5	1071.1	1103.1
-42.5°	707.3	735.2	761.6	790.7	819.3	848.3	877.9	904.5	932.0	958.4	980.2
-45°	669.6	695.7	720.4	743.7	765.4	789.3	811.7	831.8	853.0	871.6	887.0
-47.5°	635.2	656.2	678.5	700.1	720.3	738.9	755.8	771.5	787.9	801.9	813.4
-50°	602.0	620.9	639.4	656.7	674.7	691.8	707.5	721.4	733.7	744.2	752.9
-52.5°	569.0	586.6	602.8	618.2	633.1	646.7	659.1	671.7	682.9	692.6	700.5
-55°	528.5	547.9	566.3	581.1	594.1	606.0	616.9	627.1	636.0	643.6	649.9
-57.5°	487.4	505.3	522.2	537.9	552.4	565.8	576.6	585.4	593.1	599.7	605.1
-60°	446.7	462.3	477.7	492.0	505.3	517.5	528.5	538.3	546.8	554.1	560.1
-62.5°	406.1	420.9	434.2	446.7	458.2	468.9	478.9	487.7	495.5	502.1	507.5
-65°	361.9	376.0	389.2	401.4	412.7	422.2	430.7	438.3	444.9	450.6	455.2
-67.5°	317.4	329.9	341.7	352.7	362.8	372.0	380.3	387.7	394.2	399.7	404.2
-70°	271.3	282.9	293.8	303.7	312.6	320.8	328.1	334.6	340.3	345.1	349.1
-72.5°	225.6	234.9	243.7	252.5	260.6	268.0	274.6	280.5	285.7	290.1	293.7
-75°	182.7	190.1	197.5	204.4	210.7	216.5	221.7	226.3	230.3	233.7	236.5
-77.5°	143.2	149.2	154.8	159.9	164.7	169.0	172.9	176.4	179.4	181.9	184.0
-80°	108.9	112.9	116.7	120.2	123.4	126.3	129.0	131.3	133.4	135.1	136.6
-82.5°	77.7	80.3	82.8	85.1	87.3	89.2	90.9	92.5	93.8	95.0	95.9
-85°	48.6	50.3	51.8	53.3	54.6	55.8	56.9	57.8	58.7	59.4	60.0
-87.5°	22.0	22.6	23.2	23.8	24.3	24.8	25.2	25.6	25.9	26.2	26.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624758 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	26.6	26.7	26.8	26.8	26.8	26.7	26.6	26.4	26.2	25.9	25.6
85°	60.4	60.7	60.9	61.0	60.9	60.7	60.4	60.0	59.4	58.7	57.8
82.5°	96.7	97.2	97.5	97.6	97.5	97.2	96.7	95.9	95.0	93.8	92.5
80°	137.7	138.5	138.9	139.1	138.9	138.5	137.7	136.6	135.1	133.4	131.3
77.5°	185.7	186.9	187.6	187.8	187.6	186.9	185.7	184.0	181.9	179.4	176.4
75°	238.7	240.2	241.2	241.5	241.2	240.2	238.7	236.5	233.7	230.3	226.3
72.5°	296.5	298.5	299.7	300.1	299.7	298.5	296.5	293.7	290.1	285.7	280.5
70°	352.2	354.4	355.8	356.2	355.8	354.4	352.2	349.1	345.1	340.3	334.6
67.5°	407.7	410.3	411.8	412.3	411.8	410.3	407.7	404.2	399.7	394.2	387.7
65°	458.8	461.4	463.0	463.5	463.0	461.4	458.8	455.2	450.6	444.9	438.3
62.5°	511.7	514.8	516.6	517.2	516.6	514.8	511.7	507.5	502.1	495.5	487.7
60°	564.8	568.2	570.2	570.9	570.2	568.2	564.8	560.1	554.1	546.8	538.3
57.5°	609.3	612.4	614.2	614.8	614.2	612.4	609.3	605.1	599.7	593.1	585.4
55°	654.8	658.3	660.4	661.1	660.4	658.3	654.8	649.9	643.6	636.0	627.1
52.5°	706.7	711.2	713.9	714.8	713.9	711.2	706.7	700.5	692.6	682.9	671.7
50°	759.7	764.6	767.5	768.5	767.5	764.6	759.7	752.9	744.2	733.7	721.4
47.5°	822.5	829.1	833.0	834.3	833.0	829.1	822.5	813.4	801.9	787.9	771.5
45°	899.1	907.8	913.0	914.8	913.0	907.8	899.1	887.0	871.6	853.0	831.8
42.5°	997.4	1009.7	1017.2	1019.7	1017.2	1009.7	997.4	980.2	958.4	932.0	904.5
40°	1128.3	1146.5	1157.5	1161.2	1157.5	1146.5	1128.3	1103.1	1071.1	1032.5	996.0
37.5°	1326.9	1358.0	1376.9	1383.2	1376.9	1358.0	1326.9	1283.7	1229.0	1163.4	1114.1
35°	1645.8	1701.6	1735.4	1746.7	1735.4	1701.6	1645.8	1568.7	1471.1	1365.6	1283.2
32.5°	2196.3	2305.1	2371.1	2393.2	2371.1	2305.1	2196.3	2046.2	1857.0	1681.7	1535.6
30°	3225.0	3456.7	3597.5	3644.7	3597.5	3456.7	3225.0	2906.3	2506.0	2205.5	1923.6
27.5°	5122.6	5603.1	5895.6	5993.9	5895.6	5603.1	5122.6	4464.2	3642.4	3122.9	2530.7
25°	8031.9	8819.8	9301.1	9463.0	9301.1	8819.8	8031.9	6957.0	5740.1	4674.1	3549.5
22.5°	11730.4	12800.6	13457.1	13678.5	13457.1	12800.6	11730.4	10278.7	8657.5	6932.3	5315.2
20°	16062.4	17490.5	18371.7	18669.8	18371.7	17490.5	16062.4	14140.2	12079.1	9776.3	7607.8
17.5°	21323.6	23469.9	24805.2	25258.9	24805.2	23469.9	21323.6	18514.6	15891.7	13012.6	10216.4
15°	28169.2	31726.1	33965.6	34731.7	33965.6	31726.1	28169.2	24036.3	20163.5	16492.4	13012.6
12.5°	36717.8	41529.6	44615.4	45682.7	44615.4	41529.6	36717.8	31102.0	24977.0	20163.5	15891.7
10°	45767.4	50595.0	53784.7	54909.1	53784.7	50595.0	45767.4	38647.6	31102.0	24036.3	18514.6
7.5°	52726.5	58008.3	61445.6	62703.4	61445.6	58008.3	52726.5	45767.4	36717.8	28169.2	21323.6
5°	58008.3	63877.1	67878.8	69473.1	67878.8	63877.1	58008.3	50595.0	41529.6	31726.1	23469.9
2.5°	61445.6	67878.8	72123.6	73996.0	72123.6	67878.8	61445.6	53784.7	44615.4	33965.6	24805.2
0°	62703.4	69473.1	73996.0	75659.7	73996.0	69473.1	62703.4	54909.1	45682.7	34731.7	25258.9
-2.5°	61445.6	67878.8	72123.6	73996.0	72123.6	67878.8	61445.6	53784.7	44615.4	33965.6	24805.2
-5°	58008.3	63877.1	67878.8	69473.1	67878.8	63877.1	58008.3	50595.0	41529.6	31726.1	23469.9
-7.5°	52726.5	58008.3	61445.6	62703.4	61445.6	58008.3	52726.5	45767.4	36717.8	28169.2	21323.6
-10°	45767.4	50595.0	53784.7	54909.1	53784.7	50595.0	45767.4	38647.6	31102.0	24036.3	18514.6
-12.5°	36717.8	41529.6	44615.4	45682.7	44615.4	41529.6	36717.8	31102.0	24977.0	20163.5	15891.7
-15°	28169.2	31726.1	33965.6	34731.7	33965.6	31726.1	28169.2	24036.3	20163.5	16492.4	13012.6
-17.5°	21323.6	23469.9	24805.2	25258.9	24805.2	23469.9	21323.6	18514.6	15891.7	13012.6	10216.4
-20°	16062.4	17490.5	18371.7	18669.8	18371.7	17490.5	16062.4	14140.2	12079.1	9776.3	7607.8



REPORT NUMBER: P624758 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11730.4	12800.6	13457.1	13678.5	13457.1	12800.6	11730.4	10278.7	8657.5	6932.3	5315.2
-25°	8031.9	8819.8	9301.1	9463.0	9301.1	8819.8	8031.9	6957.0	5740.1	4674.1	3549.5
-27.5°	5122.6	5603.1	5895.6	5993.9	5895.6	5603.1	5122.6	4464.2	3642.4	3122.9	2530.7
-30°	3225.0	3456.7	3597.5	3644.7	3597.5	3456.7	3225.0	2906.3	2506.0	2205.5	1923.6
-32.5°	2196.3	2305.1	2371.1	2393.2	2371.1	2305.1	2196.3	2046.2	1857.0	1681.7	1535.6
-35°	1645.8	1701.6	1735.4	1746.7	1735.4	1701.6	1645.8	1568.7	1471.1	1365.6	1283.2
-37.5°	1326.9	1358.0	1376.9	1383.2	1376.9	1358.0	1326.9	1283.7	1229.0	1163.4	1114.1
-40°	1128.3	1146.5	1157.5	1161.2	1157.5	1146.5	1128.3	1103.1	1071.1	1032.5	996.0
-42.5°	997.4	1009.7	1017.2	1019.7	1017.2	1009.7	997.4	980.2	958.4	932.0	904.5
-45°	899.1	907.8	913.0	914.8	913.0	907.8	899.1	887.0	871.6	853.0	831.8
-47.5°	822.5	829.1	833.0	834.3	833.0	829.1	822.5	813.4	801.9	787.9	771.5
-50°	759.7	764.6	767.5	768.5	767.5	764.6	759.7	752.9	744.2	733.7	721.4
-52.5°	706.7	711.2	713.9	714.8	713.9	711.2	706.7	700.5	692.6	682.9	671.7
-55°	654.8	658.3	660.4	661.1	660.4	658.3	654.8	649.9	643.6	636.0	627.1
-57.5°	609.3	612.4	614.2	614.8	614.2	612.4	609.3	605.1	599.7	593.1	585.4
-60°	564.8	568.2	570.2	570.9	570.2	568.2	564.8	560.1	554.1	546.8	538.3
-62.5°	511.7	514.8	516.6	517.2	516.6	514.8	511.7	507.5	502.1	495.5	487.7
-65°	458.8	461.4	463.0	463.5	463.0	461.4	458.8	455.2	450.6	444.9	438.3
-67.5°	407.7	410.3	411.8	412.3	411.8	410.3	407.7	404.2	399.7	394.2	387.7
-70°	352.2	354.4	355.8	356.2	355.8	354.4	352.2	349.1	345.1	340.3	334.6
-72.5°	296.5	298.5	299.7	300.1	299.7	298.5	296.5	293.7	290.1	285.7	280.5
-75°	238.7	240.2	241.2	241.5	241.2	240.2	238.7	236.5	233.7	230.3	226.3
-77.5°	185.7	186.9	187.6	187.8	187.6	186.9	185.7	184.0	181.9	179.4	176.4
-80°	137.7	138.5	138.9	139.1	138.9	138.5	137.7	136.6	135.1	133.4	131.3
-82.5°	96.7	97.2	97.5	97.6	97.5	97.2	96.7	95.9	95.0	93.8	92.5
-85°	60.4	60.7	60.9	61.0	60.9	60.7	60.4	60.0	59.4	58.7	57.8
-87.5°	26.6	26.7	26.8	26.8	26.8	26.7	26.6	26.4	26.2	25.9	25.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624758 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	25.2	24.8	24.3	23.8	23.2	22.6	22.0	21.3	20.5	19.8	18.9
85°	56.9	55.8	54.6	53.3	51.8	50.3	48.6	46.8	45.0	43.0	40.9
82.5°	90.9	89.2	87.3	85.1	82.8	80.3	77.7	74.8	71.8	68.6	65.3
80°	129.0	126.3	123.4	120.2	116.7	112.9	108.9	104.5	100.0	95.5	91.1
77.5°	172.9	169.0	164.7	159.9	154.8	149.2	143.2	137.2	131.5	125.5	119.2
75°	221.7	216.5	210.7	204.4	197.5	190.1	182.7	175.1	167.1	158.6	149.7
72.5°	274.6	268.0	260.6	252.5	243.7	234.9	225.6	215.8	205.4	194.4	183.4
70°	328.1	320.8	312.6	303.7	293.8	282.9	271.3	258.9	245.9	233.0	219.9
67.5°	380.3	372.0	362.8	352.7	341.7	329.9	317.4	304.0	289.5	274.0	257.9
65°	430.7	422.2	412.7	401.4	389.2	376.0	361.9	347.0	331.3	314.8	297.5
62.5°	478.9	468.9	458.2	446.7	434.2	420.9	406.1	389.6	372.2	354.0	335.0
60°	528.5	517.5	505.3	492.0	477.7	462.3	446.7	430.1	412.7	392.8	372.0
57.5°	576.6	565.8	552.4	537.9	522.2	505.3	487.4	468.5	449.3	429.4	408.5
55°	616.9	606.0	594.1	581.1	566.3	547.9	528.5	507.9	486.4	463.9	441.5
52.5°	659.1	646.7	633.1	618.2	602.8	586.6	569.0	546.8	523.6	499.3	474.2
50°	707.5	691.8	674.7	656.7	639.4	620.9	602.0	582.5	560.1	534.1	507.2
47.5°	755.8	738.9	720.3	700.1	678.5	656.2	635.2	613.2	591.4	568.2	539.5
45°	811.7	789.3	765.4	743.7	720.4	695.7	669.6	644.9	620.3	595.9	570.9
42.5°	877.9	848.3	819.3	790.7	761.6	735.2	707.3	678.2	649.8	622.7	595.9
40°	958.5	916.9	881.6	844.1	809.6	775.0	744.2	713.2	681.1	649.8	620.3
37.5°	1059.5	1004.4	955.7	906.0	863.2	821.1	782.5	747.2	713.2	678.2	644.9
35°	1190.6	1114.9	1044.4	982.0	922.6	872.9	825.0	782.5	744.2	707.3	669.6
32.5°	1376.3	1266.6	1152.8	1072.1	995.4	929.1	872.9	821.1	775.0	735.2	695.7
30°	1669.4	1476.2	1313.1	1178.1	1081.4	995.4	922.6	863.2	809.6	761.6	720.4
27.5°	2124.7	1755.5	1529.3	1328.7	1178.1	1072.1	982.0	906.0	844.1	790.7	743.7
25°	2839.6	2227.2	1804.8	1529.3	1313.1	1152.8	1044.4	955.7	881.6	819.3	765.4
22.5°	3875.7	2944.0	2227.2	1755.5	1476.2	1266.6	1114.9	1004.4	916.9	848.3	789.3
20°	5532.6	3875.7	2839.6	2124.7	1669.4	1376.3	1190.6	1059.5	958.5	877.9	811.7
17.5°	7607.8	5315.2	3549.5	2530.7	1923.6	1535.6	1283.2	1114.1	996.0	904.5	831.8
15°	9776.3	6932.3	4674.1	3122.9	2205.5	1681.7	1365.6	1163.4	1032.5	932.0	853.0
12.5°	12079.1	8657.5	5740.1	3642.4	2506.0	1857.0	1471.1	1229.0	1071.1	958.4	871.6
10°	14140.2	10278.7	6957.0	4464.2	2906.3	2046.2	1568.7	1283.7	1103.1	980.2	887.0
7.5°	16062.4	11730.4	8031.9	5122.6	3225.0	2196.3	1645.8	1326.9	1128.3	997.4	899.1
5°	17490.5	12800.6	8819.8	5603.1	3456.7	2305.1	1701.6	1358.0	1146.5	1009.7	907.8
2.5°	18371.7	13457.1	9301.1	5895.6	3597.5	2371.1	1735.4	1376.9	1157.5	1017.2	913.0
0°	18669.8	13678.5	9463.0	5993.9	3644.7	2393.2	1746.7	1383.2	1161.2	1019.7	914.8
-2.5°	18371.7	13457.1	9301.1	5895.6	3597.5	2371.1	1735.4	1376.9	1157.5	1017.2	913.0
-5°	17490.5	12800.6	8819.8	5603.1	3456.7	2305.1	1701.6	1358.0	1146.5	1009.7	907.8
-7.5°	16062.4	11730.4	8031.9	5122.6	3225.0	2196.3	1645.8	1326.9	1128.3	997.4	899.1
-10°	14140.2	10278.7	6957.0	4464.2	2906.3	2046.2	1568.7	1283.7	1103.1	980.2	887.0
-12.5°	12079.1	8657.5	5740.1	3642.4	2506.0	1857.0	1471.1	1229.0	1071.1	958.4	871.6
-15°	9776.3	6932.3	4674.1	3122.9	2205.5	1681.7	1365.6	1163.4	1032.5	932.0	853.0
-17.5°	7607.8	5315.2	3549.5	2530.7	1923.6	1535.6	1283.2	1114.1	996.0	904.5	831.8
-20°	5532.6	3875.7	2839.6	2124.7	1669.4	1376.3	1190.6	1059.5	958.5	877.9	811.7



REPORT NUMBER: P624758 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3875.7	2944.0	2227.2	1755.5	1476.2	1266.6	1114.9	1004.4	916.9	848.3	789.3
-25°	2839.6	2227.2	1804.8	1529.3	1313.1	1152.8	1044.4	955.7	881.6	819.3	765.4
-27.5°	2124.7	1755.5	1529.3	1328.7	1178.1	1072.1	982.0	906.0	844.1	790.7	743.7
-30°	1669.4	1476.2	1313.1	1178.1	1081.4	995.4	922.6	863.2	809.6	761.6	720.4
-32.5°	1376.3	1266.6	1152.8	1072.1	995.4	929.1	872.9	821.1	775.0	735.2	695.7
-35°	1190.6	1114.9	1044.4	982.0	922.6	872.9	825.0	782.5	744.2	707.3	669.6
-37.5°	1059.5	1004.4	955.7	906.0	863.2	821.1	782.5	747.2	713.2	678.2	644.9
-40°	958.5	916.9	881.6	844.1	809.6	775.0	744.2	713.2	681.1	649.8	620.3
-42.5°	877.9	848.3	819.3	790.7	761.6	735.2	707.3	678.2	649.8	622.7	595.9
-45°	811.7	789.3	765.4	743.7	720.4	695.7	669.6	644.9	620.3	595.9	570.9
-47.5°	755.8	738.9	720.3	700.1	678.5	656.2	635.2	613.2	591.4	568.2	539.5
-50°	707.5	691.8	674.7	656.7	639.4	620.9	602.0	582.5	560.1	534.1	507.2
-52.5°	659.1	646.7	633.1	618.2	602.8	586.6	569.0	546.8	523.6	499.3	474.2
-55°	616.9	606.0	594.1	581.1	566.3	547.9	528.5	507.9	486.4	463.9	441.5
-57.5°	576.6	565.8	552.4	537.9	522.2	505.3	487.4	468.5	449.3	429.4	408.5
-60°	528.5	517.5	505.3	492.0	477.7	462.3	446.7	430.1	412.7	392.8	372.0
-62.5°	478.9	468.9	458.2	446.7	434.2	420.9	406.1	389.6	372.2	354.0	335.0
-65°	430.7	422.2	412.7	401.4	389.2	376.0	361.9	347.0	331.3	314.8	297.5
-67.5°	380.3	372.0	362.8	352.7	341.7	329.9	317.4	304.0	289.5	274.0	257.9
-70°	328.1	320.8	312.6	303.7	293.8	282.9	271.3	258.9	245.9	233.0	219.9
-72.5°	274.6	268.0	260.6	252.5	243.7	234.9	225.6	215.8	205.4	194.4	183.4
-75°	221.7	216.5	210.7	204.4	197.5	190.1	182.7	175.1	167.1	158.6	149.7
-77.5°	172.9	169.0	164.7	159.9	154.8	149.2	143.2	137.2	131.5	125.5	119.2
-80°	129.0	126.3	123.4	120.2	116.7	112.9	108.9	104.5	100.0	95.5	91.1
-82.5°	90.9	89.2	87.3	85.1	82.8	80.3	77.7	74.8	71.8	68.6	65.3
-85°	56.9	55.8	54.6	53.3	51.8	50.3	48.6	46.8	45.0	43.0	40.9
-87.5°	25.2	24.8	24.3	23.8	23.2	22.6	22.0	21.3	20.5	19.8	18.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624758 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.1	17.2	16.3	15.4	14.4	13.4	12.4	11.3	10.3	9.2	8.1
85°	38.8	36.5	34.2	31.8	29.3	26.8	24.7	22.6	20.5	18.3	16.1
82.5°	61.9	58.4	54.9	51.3	47.6	43.8	39.9	35.9	31.8	27.6	24.1
80°	86.4	81.6	76.6	71.5	66.2	60.7	55.5	50.2	44.7	39.2	33.5
77.5°	112.7	105.9	98.8	92.2	85.6	78.8	71.8	64.6	57.6	50.7	43.6
75°	140.5	132.1	123.6	114.8	105.8	96.7	88.3	79.7	71.0	62.1	53.7
72.5°	172.6	161.4	149.8	138.0	127.4	116.6	105.6	94.7	84.5	74.2	63.8
70°	206.3	192.1	178.4	164.7	150.6	136.6	123.9	111.1	97.9	86.1	74.2
67.5°	241.1	225.2	208.7	191.7	175.4	159.2	142.6	127.6	112.9	97.9	84.5
65°	278.8	259.4	239.5	220.6	201.2	181.9	163.5	144.7	127.6	111.1	94.7
62.5°	315.3	294.6	272.6	249.9	227.9	206.0	184.1	163.5	142.6	123.9	105.6
60°	350.4	328.1	305.1	280.5	255.2	230.3	206.0	181.9	159.2	136.6	116.6
57.5°	385.0	360.8	335.8	310.2	283.2	255.2	227.9	201.2	175.4	150.6	127.4
55°	418.4	392.9	366.0	338.4	310.2	280.5	249.9	220.6	191.7	164.7	138.0
52.5°	448.9	423.3	395.5	366.0	335.8	305.1	272.6	239.5	208.7	178.4	149.8
50°	479.4	451.3	423.3	392.9	360.8	328.1	294.6	259.4	225.2	192.1	161.4
47.5°	509.8	479.4	448.9	418.4	385.0	350.4	315.3	278.8	241.1	206.3	172.6
45°	539.5	507.2	474.2	441.5	408.5	372.0	335.0	297.5	257.9	219.9	183.4
42.5°	568.2	534.1	499.3	463.9	429.4	392.8	354.0	314.8	274.0	233.0	194.4
40°	591.4	560.1	523.6	486.4	449.3	412.7	372.2	331.3	289.5	245.9	205.4
37.5°	613.2	582.5	546.8	507.9	468.5	430.1	389.6	347.0	304.0	258.9	215.8
35°	635.2	602.0	569.0	528.5	487.4	446.7	406.1	361.9	317.4	271.3	225.6
32.5°	656.2	620.9	586.6	547.9	505.3	462.3	420.9	376.0	329.9	282.9	234.9
30°	678.5	639.4	602.8	566.3	522.2	477.7	434.2	389.2	341.7	293.8	243.7
27.5°	700.1	656.7	618.2	581.1	537.9	492.0	446.7	401.4	352.7	303.7	252.5
25°	720.3	674.7	633.1	594.1	552.4	505.3	458.2	412.7	362.8	312.6	260.6
22.5°	738.9	691.8	646.7	606.0	565.8	517.5	468.9	422.2	372.0	320.8	268.0
20°	755.8	707.5	659.1	616.9	576.6	528.5	478.9	430.7	380.3	328.1	274.6
17.5°	771.5	721.4	671.7	627.1	585.4	538.3	487.7	438.3	387.7	334.6	280.5
15°	787.9	733.7	682.9	636.0	593.1	546.8	495.5	444.9	394.2	340.3	285.7
12.5°	801.9	744.2	692.6	643.6	599.7	554.1	502.1	450.6	399.7	345.1	290.1
10°	813.4	752.9	700.5	649.9	605.1	560.1	507.5	455.2	404.2	349.1	293.7
7.5°	822.5	759.7	706.7	654.8	609.3	564.8	511.7	458.8	407.7	352.2	296.5
5°	829.1	764.6	711.2	658.3	612.4	568.2	514.8	461.4	410.3	354.4	298.5
2.5°	833.0	767.5	713.9	660.4	614.2	570.2	516.6	463.0	411.8	355.8	299.7
0°	834.3	768.5	714.8	661.1	614.8	570.9	517.2	463.5	412.3	356.2	300.1
-2.5°	833.0	767.5	713.9	660.4	614.2	570.2	516.6	463.0	411.8	355.8	299.7
-5°	829.1	764.6	711.2	658.3	612.4	568.2	514.8	461.4	410.3	354.4	298.5
-7.5°	822.5	759.7	706.7	654.8	609.3	564.8	511.7	458.8	407.7	352.2	296.5
-10°	813.4	752.9	700.5	649.9	605.1	560.1	507.5	455.2	404.2	349.1	293.7
-12.5°	801.9	744.2	692.6	643.6	599.7	554.1	502.1	450.6	399.7	345.1	290.1
-15°	787.9	733.7	682.9	636.0	593.1	546.8	495.5	444.9	394.2	340.3	285.7
-17.5°	771.5	721.4	671.7	627.1	585.4	538.3	487.7	438.3	387.7	334.6	280.5
-20°	755.8	707.5	659.1	616.9	576.6	528.5	478.9	430.7	380.3	328.1	274.6

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P624758 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	738.9	691.8	646.7	606.0	565.8	517.5	468.9	422.2	372.0	320.8	268.0
-25°	720.3	674.7	633.1	594.1	552.4	505.3	458.2	412.7	362.8	312.6	260.6
-27.5°	700.1	656.7	618.2	581.1	537.9	492.0	446.7	401.4	352.7	303.7	252.5
-30°	678.5	639.4	602.8	566.3	522.2	477.7	434.2	389.2	341.7	293.8	243.7
-32.5°	656.2	620.9	586.6	547.9	505.3	462.3	420.9	376.0	329.9	282.9	234.9
-35°	635.2	602.0	569.0	528.5	487.4	446.7	406.1	361.9	317.4	271.3	225.6
-37.5°	613.2	582.5	546.8	507.9	468.5	430.1	389.6	347.0	304.0	258.9	215.8
-40°	591.4	560.1	523.6	486.4	449.3	412.7	372.2	331.3	289.5	245.9	205.4
-42.5°	568.2	534.1	499.3	463.9	429.4	392.8	354.0	314.8	274.0	233.0	194.4
-45°	539.5	507.2	474.2	441.5	408.5	372.0	335.0	297.5	257.9	219.9	183.4
-47.5°	509.8	479.4	448.9	418.4	385.0	350.4	315.3	278.8	241.1	206.3	172.6
-50°	479.4	451.3	423.3	392.9	360.8	328.1	294.6	259.4	225.2	192.1	161.4
-52.5°	448.9	423.3	395.5	366.0	335.8	305.1	272.6	239.5	208.7	178.4	149.8
-55°	418.4	392.9	366.0	338.4	310.2	280.5	249.9	220.6	191.7	164.7	138.0
-57.5°	385.0	360.8	335.8	310.2	283.2	255.2	227.9	201.2	175.4	150.6	127.4
-60°	350.4	328.1	305.1	280.5	255.2	230.3	206.0	181.9	159.2	136.6	116.6
-62.5°	315.3	294.6	272.6	249.9	227.9	206.0	184.1	163.5	142.6	123.9	105.6
-65°	278.8	259.4	239.5	220.6	201.2	181.9	163.5	144.7	127.6	111.1	94.7
-67.5°	241.1	225.2	208.7	191.7	175.4	159.2	142.6	127.6	112.9	97.9	84.5
-70°	206.3	192.1	178.4	164.7	150.6	136.6	123.9	111.1	97.9	86.1	74.2
-72.5°	172.6	161.4	149.8	138.0	127.4	116.6	105.6	94.7	84.5	74.2	63.8
-75°	140.5	132.1	123.6	114.8	105.8	96.7	88.3	79.7	71.0	62.1	53.7
-77.5°	112.7	105.9	98.8	92.2	85.6	78.8	71.8	64.6	57.6	50.7	43.6
-80°	86.4	81.6	76.6	71.5	66.2	60.7	55.5	50.2	44.7	39.2	33.5
-82.5°	61.9	58.4	54.9	51.3	47.6	43.8	39.9	35.9	31.8	27.6	24.1
-85°	38.8	36.5	34.2	31.8	29.3	26.8	24.7	22.6	20.5	18.3	16.1
-87.5°	18.1	17.2	16.3	15.4	14.4	13.4	12.4	11.3	10.3	9.2	8.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



REPORT NUMBER: P624758 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.9	5.8	4.7	3.5	2.3	1.2	0.0
85°	13.9	11.6	9.3	7.0	4.7	2.3	0.0
82.5°	20.8	17.4	13.9	10.5	7.0	3.5	0.0
80°	27.8	23.1	18.5	13.9	9.3	4.7	0.0
77.5°	36.5	29.3	23.1	17.4	11.6	5.8	0.0
75°	45.1	36.5	27.8	20.8	13.9	6.9	0.0
72.5°	53.7	43.6	33.5	24.1	16.1	8.1	0.0
70°	62.1	50.7	39.2	27.6	18.3	9.2	0.0
67.5°	71.0	57.6	44.7	31.8	20.5	10.3	0.0
65°	79.7	64.6	50.2	35.9	22.6	11.3	0.0
62.5°	88.3	71.8	55.5	39.9	24.7	12.4	0.0
60°	96.7	78.8	60.7	43.8	26.8	13.4	0.0
57.5°	105.8	85.6	66.2	47.6	29.3	14.4	0.0
55°	114.8	92.2	71.5	51.3	31.8	15.4	0.0
52.5°	123.6	98.8	76.6	54.9	34.2	16.3	0.0
50°	132.1	105.9	81.6	58.4	36.5	17.2	0.0
47.5°	140.5	112.7	86.4	61.9	38.8	18.1	0.0
45°	149.7	119.2	91.1	65.3	40.9	18.9	0.0
42.5°	158.6	125.5	95.5	68.6	43.0	19.8	0.0
40°	167.1	131.5	100.0	71.8	45.0	20.5	0.0
37.5°	175.1	137.2	104.5	74.8	46.8	21.3	0.0
35°	182.7	143.2	108.9	77.7	48.6	22.0	0.0
32.5°	190.1	149.2	112.9	80.3	50.3	22.6	0.0
30°	197.5	154.8	116.7	82.8	51.8	23.2	0.0
27.5°	204.4	159.9	120.2	85.1	53.3	23.8	0.0
25°	210.7	164.7	123.4	87.3	54.6	24.3	0.0
22.5°	216.5	169.0	126.3	89.2	55.8	24.8	0.0
20°	221.7	172.9	129.0	90.9	56.9	25.2	0.0
17.5°	226.3	176.4	131.3	92.5	57.8	25.6	0.0
15°	230.3	179.4	133.4	93.8	58.7	25.9	0.0
12.5°	233.7	181.9	135.1	95.0	59.4	26.2	0.0
10°	236.5	184.0	136.6	95.9	60.0	26.4	0.0
7.5°	238.7	185.7	137.7	96.7	60.4	26.6	0.0
5°	240.2	186.9	138.5	97.2	60.7	26.7	0.0
2.5°	241.2	187.6	138.9	97.5	60.9	26.8	0.0
0°	241.5	187.8	139.1	97.6	61.0	26.8	0.0
-2.5°	241.2	187.6	138.9	97.5	60.9	26.8	0.0
-5°	240.2	186.9	138.5	97.2	60.7	26.7	0.0
-7.5°	238.7	185.7	137.7	96.7	60.4	26.6	0.0
-10°	236.5	184.0	136.6	95.9	60.0	26.4	0.0
-12.5°	233.7	181.9	135.1	95.0	59.4	26.2	0.0
-15°	230.3	179.4	133.4	93.8	58.7	25.9	0.0
-17.5°	226.3	176.4	131.3	92.5	57.8	25.6	0.0
-20°	221.7	172.9	129.0	90.9	56.9	25.2	0.0

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REPORT NUMBER: P624758 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	216.5	169.0	126.3	89.2	55.8	24.8	0.0
-25°	210.7	164.7	123.4	87.3	54.6	24.3	0.0
-27.5°	204.4	159.9	120.2	85.1	53.3	23.8	0.0
-30°	197.5	154.8	116.7	82.8	51.8	23.2	0.0
-32.5°	190.1	149.2	112.9	80.3	50.3	22.6	0.0
-35°	182.7	143.2	108.9	77.7	48.6	22.0	0.0
-37.5°	175.1	137.2	104.5	74.8	46.8	21.3	0.0
-40°	167.1	131.5	100.0	71.8	45.0	20.5	0.0
-42.5°	158.6	125.5	95.5	68.6	43.0	19.8	0.0
-45°	149.7	119.2	91.1	65.3	40.9	18.9	0.0
-47.5°	140.5	112.7	86.4	61.9	38.8	18.1	0.0
-50°	132.1	105.9	81.6	58.4	36.5	17.2	0.0
-52.5°	123.6	98.8	76.6	54.9	34.2	16.3	0.0
-55°	114.8	92.2	71.5	51.3	31.8	15.4	0.0
-57.5°	105.8	85.6	66.2	47.6	29.3	14.4	0.0
-60°	96.7	78.8	60.7	43.8	26.8	13.4	0.0
-62.5°	88.3	71.8	55.5	39.9	24.7	12.4	0.0
-65°	79.7	64.6	50.2	35.9	22.6	11.3	0.0
-67.5°	71.0	57.6	44.7	31.8	20.5	10.3	0.0
-70°	62.1	50.7	39.2	27.6	18.3	9.2	0.0
-72.5°	53.7	43.6	33.5	24.1	16.1	8.1	0.0
-75°	45.1	36.5	27.8	20.8	13.9	6.9	0.0
-77.5°	36.5	29.3	23.1	17.4	11.6	5.8	0.0
-80°	27.8	23.1	18.5	13.9	9.3	4.7	0.0
-82.5°	20.8	17.4	13.9	10.5	7.0	3.5	0.0
-85°	13.9	11.6	9.3	7.0	4.7	2.3	0.0
-87.5°	6.9	5.8	4.7	3.5	2.3	1.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)