

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: P624751 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-04-E-PRO-4000K-44**

Issue Date: 11/8/2022



Test Information

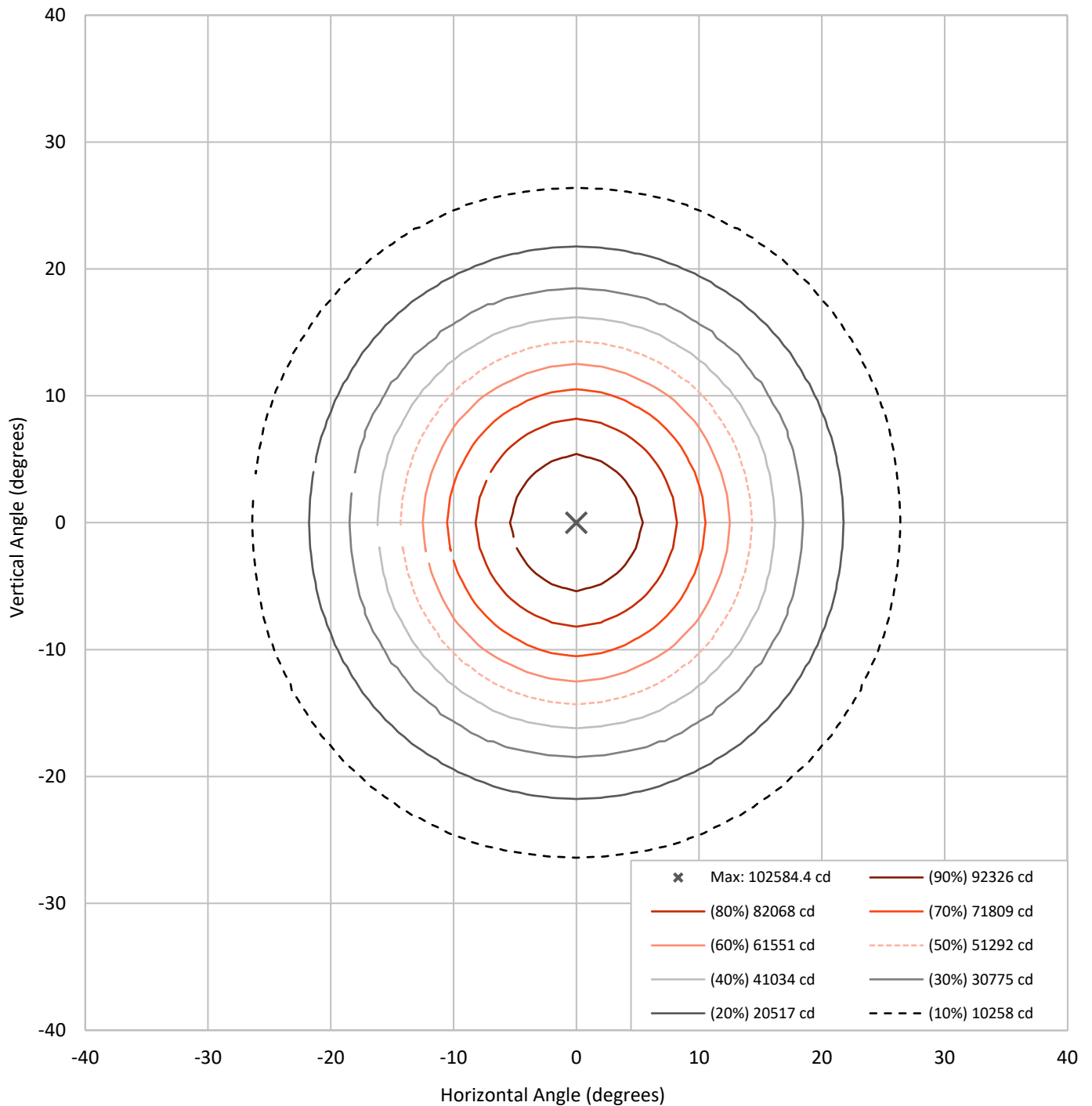
Test Method: LM-79-08
Report Number: P624751 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-8)
Test Lab: INNOVATION CENTER
Issue Date: 11/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-04-E-PRO-4000K-44
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:	31719.6 lumens	Max Intensity:	102584.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	127.1 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:	15262.7 lumens	Field Lumens:	25770.1 lumens
Beam Efficiency:	48.1%	Field Efficiency:	81.2%
Input Watts (W):	249.5		
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																			
80	0.7	5.4		13.7		21.8		25.1		21.8		13.7		5.4		0.7			
70																			
60	2.4	2.6	5.3	8.7	12.2	15.3	17.7	18.9	18.9	17.7	15.3	12.2	8.7	5.3	2.6	2.4			
50		3.9	8.0	12.9	17.8	22.1	25.4	27.2	27.2	25.4	22.1	17.8	12.9	8.0	3.9				
40	4.2	5.2	10.5	16.6	22.7	28.8	34.4	37.9	37.9	34.4	28.8	22.7	16.6	10.5	5.2	4.2			
30		6.4	12.5	19.6	28.2	40.1	58.6	77.8	77.8	58.6	40.1	28.2	19.6	12.5	6.4				
20	5.5	7.2	14.1	22.6	36.3	76.1	208.7	378.0	378.0	208.7	76.1	36.3	22.6	14.1	7.2	5.5			
10		7.8	15.2	25.3	50.0	197.0	677.2	1306.8	1306.8	677.2	197.0	50.0	25.3	15.2	7.8				
0	6.0	8.1	15.7	27.1	64.6	347.0	1271.4	2507.0	2507.0	1271.4	347.0	64.6	27.1	15.7	8.1	6.0			
-10		8.1	15.7	27.1	64.6	347.0	1271.4	2507.0	2507.0	1271.4	347.0	64.6	27.1	15.7	8.1				
-20	5.5	7.8	15.2	25.3	50.0	197.0	677.2	1306.8	1306.8	677.2	197.0	50.0	25.3	15.2	7.8	5.5			
-30		7.2	14.1	22.6	36.3	76.1	208.7	378.0	378.0	208.7	76.1	36.3	22.6	14.1	7.2				
-40	4.2	6.4	12.5	19.6	28.2	40.1	58.6	77.8	77.8	58.6	40.1	28.2	19.6	12.5	6.4	4.2			
-50		5.2	10.5	16.6	22.7	28.8	34.4	37.9	37.9	34.4	28.8	22.7	16.6	10.5	5.2				
-60	2.4	3.9	8.0	12.9	17.8	22.1	25.4	27.2	27.2	25.4	22.1	17.8	12.9	8.0	3.9	2.4			
-70		2.6	5.3	8.7	12.2	15.3	17.7	18.9	18.9	17.7	15.3	12.2	8.7	5.3	2.6				
-80																			
-90	0.7	5.4		13.7		21.8		25.1		21.8		13.7		5.4		0.7			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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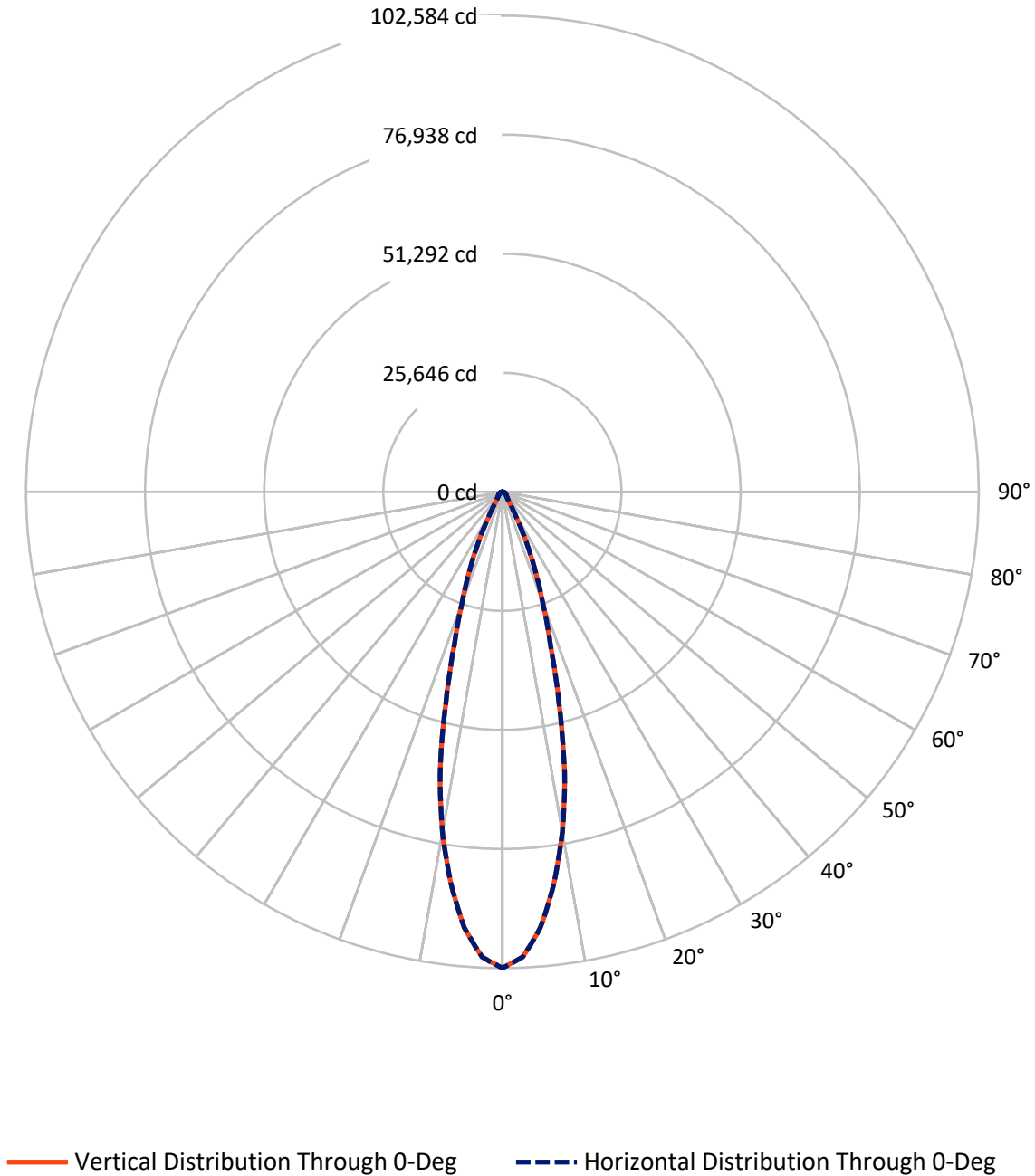
Scaled Data Report



REPORT NUMBER: P624751 (CONVERTED FROM TYPE C PHOTOMETRY)

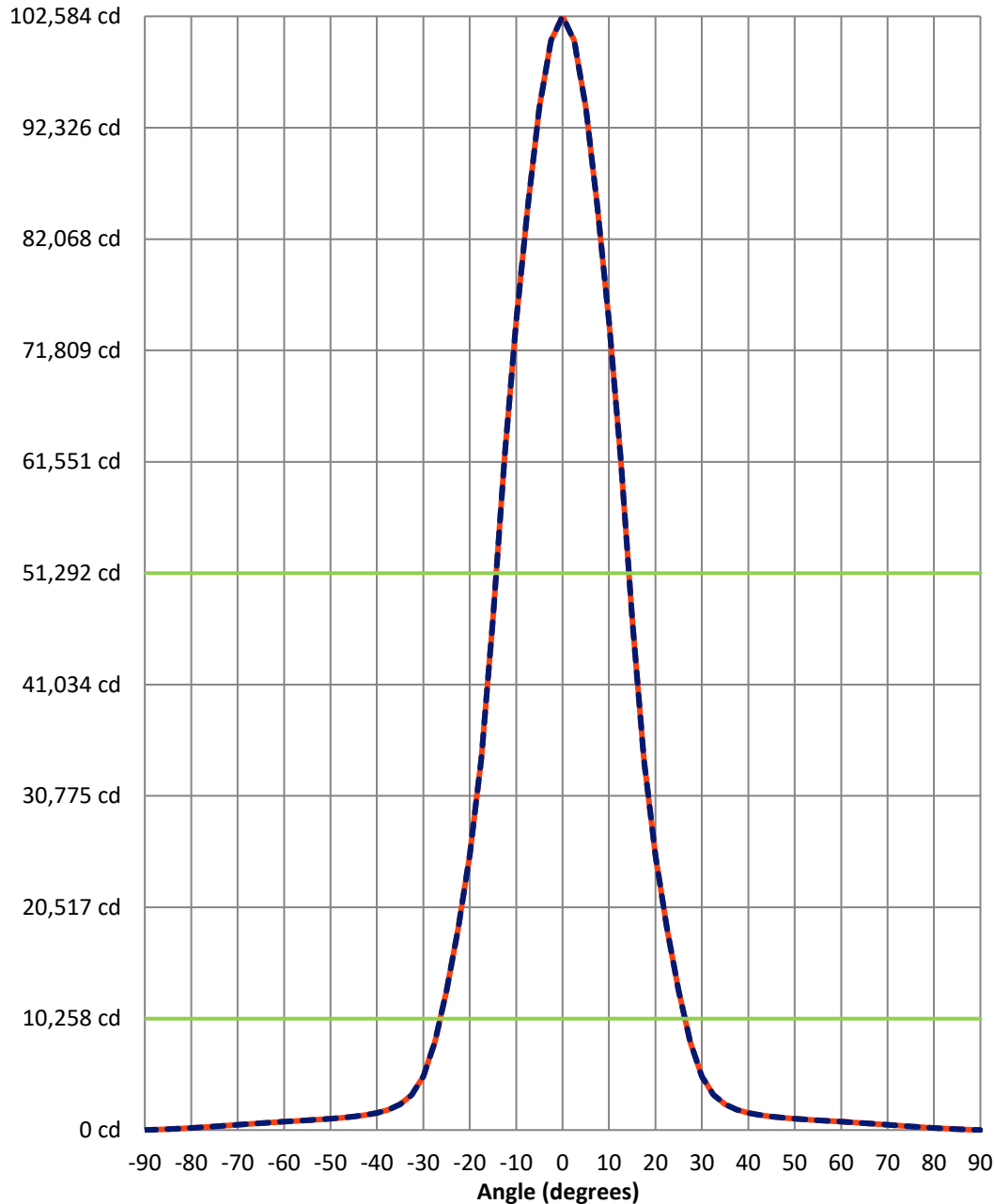
CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-44

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 28.6°
 V Angle: 28.6°
 Lumens: 15262.7
 Efficiency: 48.1%

Field:
 H Angle: 52.7°
 V Angle: 52.7°
 Lumens: 25770.1
 Efficiency: 81.2%

Spill:
 Lumens: 5949.5
 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	1.6	3.2	4.7	6.3	7.9	9.4	10.9	12.4	13.9	15.4
85°	0.0	3.2	6.3	9.5	12.6	15.7	18.8	21.9	24.9	27.8	30.7
82.5°	0.0	4.7	9.5	14.2	18.9	23.6	28.2	32.8	37.5	43.1	48.7
80°	0.0	6.3	12.6	18.9	25.2	31.4	37.8	45.5	53.2	60.7	68.0
77.5°	0.0	7.9	15.7	23.6	31.4	39.8	49.6	59.2	68.7	78.1	87.6
75°	0.0	9.4	18.8	28.2	37.8	49.6	61.2	72.8	84.3	96.3	108.1
72.5°	0.0	10.9	21.9	32.8	45.5	59.2	72.8	86.4	100.6	114.6	128.4
70°	0.0	12.4	24.9	37.5	53.2	68.7	84.3	100.6	116.8	132.8	150.5
67.5°	0.0	13.9	27.8	43.1	60.7	78.1	96.3	114.6	132.8	153.0	172.9
65°	0.0	15.4	30.7	48.7	68.0	87.6	108.1	128.4	150.5	172.9	196.1
62.5°	0.0	16.8	33.6	54.1	75.3	97.3	119.7	143.1	168.0	193.2	221.7
60°	0.0	18.2	36.4	59.4	82.3	106.8	131.0	158.1	185.1	215.8	246.7
57.5°	0.0	19.6	39.8	64.6	89.7	116.0	143.4	172.7	204.1	237.9	272.9
55°	0.0	20.9	43.2	69.6	96.9	125.0	155.6	187.0	223.3	259.9	299.2
52.5°	0.0	22.2	46.4	74.5	103.9	133.9	167.5	203.0	241.9	283.0	324.8
50°	0.0	23.4	49.6	79.2	110.6	143.5	179.0	218.8	260.5	305.4	351.7
47.5°	0.0	24.6	52.6	83.9	117.2	152.7	190.4	234.1	279.7	327.0	377.9
45°	0.0	25.7	55.5	88.6	123.4	161.6	202.9	248.8	298.2	349.7	403.2
42.5°	0.0	26.8	58.3	93.1	129.4	170.1	215.0	263.7	316.0	371.5	426.7
40°	0.0	27.9	61.0	97.4	135.5	178.2	226.5	278.5	333.5	392.4	449.1
37.5°	0.0	28.9	63.5	101.4	141.7	186.0	237.5	292.6	351.1	412.1	470.4
35°	0.0	29.8	65.9	105.3	147.5	194.1	247.8	306.0	367.8	430.2	490.6
32.5°	0.0	30.7	68.2	108.9	153.0	202.2	257.9	318.5	383.5	447.3	509.7
30°	0.0	31.5	70.3	112.3	158.1	209.8	267.9	330.5	398.2	463.3	527.6
27.5°	0.0	32.3	72.2	115.4	162.9	216.8	277.2	342.4	411.7	478.1	544.3
25°	0.0	33.0	74.0	118.3	167.3	223.3	285.7	353.4	423.8	491.8	559.6
22.5°	0.0	33.6	75.6	120.9	171.2	229.1	293.6	363.3	434.8	504.4	572.4
20°	0.0	34.2	77.1	123.3	174.8	234.4	300.6	372.3	444.8	515.7	584.0
17.5°	0.0	34.7	78.4	125.4	178.0	239.1	306.8	380.3	453.6	525.7	594.3
15°	0.0	35.2	79.5	127.2	180.8	243.2	312.3	387.3	461.3	534.5	603.3
12.5°	0.0	35.5	80.5	128.8	183.1	246.7	316.9	393.2	467.9	541.9	610.9
10°	0.0	35.8	81.3	130.0	185.1	249.6	320.7	398.1	473.3	548.0	617.2
7.5°	0.0	36.1	81.9	131.0	186.6	251.8	323.7	401.9	477.5	552.8	622.2
5°	0.0	36.3	82.3	131.7	187.6	253.4	325.8	404.6	480.5	556.3	625.7
2.5°	0.0	36.4	82.6	132.2	188.3	254.4	327.1	406.3	482.3	558.3	627.8
0°	0.0	36.4	82.7	132.3	188.5	254.7	327.5	406.8	482.9	559.0	628.5
-2.5°	0.0	36.4	82.6	132.2	188.3	254.4	327.1	406.3	482.3	558.3	627.8
-5°	0.0	36.3	82.3	131.7	187.6	253.4	325.8	404.6	480.5	556.3	625.7
-7.5°	0.0	36.1	81.9	131.0	186.6	251.8	323.7	401.9	477.5	552.8	622.2
-10°	0.0	35.8	81.3	130.0	185.1	249.6	320.7	398.1	473.3	548.0	617.2
-12.5°	0.0	35.5	80.5	128.8	183.1	246.7	316.9	393.2	467.9	541.9	610.9
-15°	0.0	35.2	79.5	127.2	180.8	243.2	312.3	387.3	461.3	534.5	603.3
-17.5°	0.0	34.7	78.4	125.4	178.0	239.1	306.8	380.3	453.6	525.7	594.3
-20°	0.0	34.2	77.1	123.3	174.8	234.4	300.6	372.3	444.8	515.7	584.0

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CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-44

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	33.6	75.6	120.9	171.2	229.1	293.6	363.3	434.8	504.4	572.4
-25°	0.0	33.0	74.0	118.3	167.3	223.3	285.7	353.4	423.8	491.8	559.6
-27.5°	0.0	32.3	72.2	115.4	162.9	216.8	277.2	342.4	411.7	478.1	544.3
-30°	0.0	31.5	70.3	112.3	158.1	209.8	267.9	330.5	398.2	463.3	527.6
-32.5°	0.0	30.7	68.2	108.9	153.0	202.2	257.9	318.5	383.5	447.3	509.7
-35°	0.0	29.8	65.9	105.3	147.5	194.1	247.8	306.0	367.8	430.2	490.6
-37.5°	0.0	28.9	63.5	101.4	141.7	186.0	237.5	292.6	351.1	412.1	470.4
-40°	0.0	27.9	61.0	97.4	135.5	178.2	226.5	278.5	333.5	392.4	449.1
-42.5°	0.0	26.8	58.3	93.1	129.4	170.1	215.0	263.7	316.0	371.5	426.7
-45°	0.0	25.7	55.5	88.6	123.4	161.6	202.9	248.8	298.2	349.7	403.2
-47.5°	0.0	24.6	52.6	83.9	117.2	152.7	190.4	234.1	279.7	327.0	377.9
-50°	0.0	23.4	49.6	79.2	110.6	143.5	179.0	218.8	260.5	305.4	351.7
-52.5°	0.0	22.2	46.4	74.5	103.9	133.9	167.5	203.0	241.9	283.0	324.8
-55°	0.0	20.9	43.2	69.6	96.9	125.0	155.6	187.0	223.3	259.9	299.2
-57.5°	0.0	19.6	39.8	64.6	89.7	116.0	143.4	172.7	204.1	237.9	272.9
-60°	0.0	18.2	36.4	59.4	82.3	106.8	131.0	158.1	185.1	215.8	246.7
-62.5°	0.0	16.8	33.6	54.1	75.3	97.3	119.7	143.1	168.0	193.2	221.7
-65°	0.0	15.4	30.7	48.7	68.0	87.6	108.1	128.4	150.5	172.9	196.1
-67.5°	0.0	13.9	27.8	43.1	60.7	78.1	96.3	114.6	132.8	153.0	172.9
-70°	0.0	12.4	24.9	37.5	53.2	68.7	84.3	100.6	116.8	132.8	150.5
-72.5°	0.0	10.9	21.9	32.8	45.5	59.2	72.8	86.4	100.6	114.6	128.4
-75°	0.0	9.4	18.8	28.2	37.8	49.6	61.2	72.8	84.3	96.3	108.1
-77.5°	0.0	7.9	15.7	23.6	31.4	39.8	49.6	59.2	68.7	78.1	87.6
-80°	0.0	6.3	12.6	18.9	25.2	31.4	37.8	45.5	53.2	60.7	68.0
-82.5°	0.0	4.7	9.5	14.2	18.9	23.6	28.2	32.8	37.5	43.1	48.7
-85°	0.0	3.2	6.3	9.5	12.6	15.7	18.8	21.9	24.9	27.8	30.7
-87.5°	0.0	1.6	3.2	4.7	6.3	7.9	9.4	10.9	12.4	13.9	15.4
-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-4000K-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°	16.8	18.2	19.6	20.9	22.2	23.4	24.6	25.7	26.8	27.9	28.9
85°	33.6	36.4	39.8	43.2	46.4	49.6	52.6	55.5	58.3	61.0	63.5
82.5°	54.1	59.4	64.6	69.6	74.5	79.2	83.9	88.6	93.1	97.4	101.4
80°	75.3	82.3	89.7	96.9	103.9	110.6	117.2	123.4	129.4	135.5	141.7
77.5°	97.3	106.8	116.0	125.0	133.9	143.5	152.7	161.6	170.1	178.2	186.0
75°	119.7	131.0	143.4	155.6	167.5	179.0	190.4	202.9	215.0	226.5	237.5
72.5°	143.1	158.1	172.7	187.0	203.0	218.8	234.1	248.8	263.7	278.5	292.6
70°	168.0	185.1	204.1	223.3	241.9	260.5	279.7	298.2	316.0	333.5	351.1
67.5°	193.2	215.8	237.9	259.9	283.0	305.4	327.0	349.7	371.5	392.4	412.1
65°	221.7	246.7	272.9	299.2	324.8	351.7	377.9	403.2	426.7	449.1	470.4
62.5°	249.7	279.4	309.0	338.9	369.5	399.4	427.4	454.2	480.0	504.7	528.2
60°	279.4	312.3	346.0	380.3	413.5	444.8	475.1	504.4	532.6	559.6	583.2
57.5°	309.0	346.0	383.9	420.5	455.3	489.1	522.0	553.8	582.3	609.2	635.2
55°	338.9	380.3	420.5	458.8	496.2	532.7	567.3	598.7	629.0	659.5	688.6
52.5°	369.5	413.5	455.3	496.2	536.2	573.9	608.6	642.9	677.0	709.8	741.4
50°	399.4	444.8	489.1	532.7	573.9	611.9	650.0	687.6	724.2	759.4	789.7
47.5°	427.4	475.1	522.0	567.3	608.6	650.0	691.2	731.4	770.3	801.8	831.4
45°	454.2	504.4	553.8	598.7	642.9	687.6	731.4	774.0	807.8	841.0	874.4
42.5°	480.0	532.6	582.3	629.0	677.0	724.2	770.3	807.8	844.3	881.0	919.6
40°	504.7	559.6	609.2	659.5	709.8	759.4	801.8	841.0	881.0	923.5	967.1
37.5°	528.2	583.2	635.2	688.6	741.4	789.7	831.4	874.4	919.6	967.1	1013.0
35°	550.6	605.7	660.8	716.5	771.4	816.2	861.2	907.9	959.1	1008.9	1060.9
32.5°	570.7	626.9	685.1	742.9	795.2	841.8	889.7	943.3	996.8	1050.7	1113.3
30°	588.8	647.7	707.9	767.7	817.2	866.9	919.9	976.8	1032.6	1097.7	1170.4
27.5°	605.7	667.1	729.2	787.8	838.1	890.4	949.3	1008.3	1072.0	1144.5	1228.4
25°	621.2	685.1	749.0	805.4	858.3	914.8	976.6	1037.7	1110.8	1195.4	1295.8
22.5°	635.8	701.6	767.1	821.6	876.9	938.1	1001.8	1070.1	1150.2	1243.3	1361.9
20°	649.3	716.5	781.7	836.4	893.7	959.3	1024.7	1100.5	1190.3	1299.7	1436.5
17.5°	661.3	729.7	793.7	850.2	910.7	978.2	1046.0	1127.8	1226.4	1350.5	1510.7
15°	671.8	741.4	804.1	862.3	926.0	994.8	1068.2	1156.5	1263.8	1400.0	1577.5
12.5°	680.7	751.3	813.0	872.6	939.1	1009.0	1087.2	1181.8	1299.4	1452.3	1666.5
10°	688.0	759.4	820.3	881.1	949.8	1020.8	1102.9	1202.7	1329.0	1495.7	1740.6
7.5°	693.8	765.8	826.1	887.8	958.3	1030.0	1115.2	1219.1	1352.3	1529.9	1799.1
5°	697.9	770.3	830.2	892.6	964.3	1036.6	1124.1	1230.9	1369.1	1554.6	1841.4
2.5°	700.4	773.1	832.7	895.4	968.0	1040.6	1129.4	1238.0	1379.2	1569.5	1867.0
0°	701.2	774.0	833.5	896.4	969.2	1041.9	1131.2	1240.4	1382.6	1574.5	1875.5
-2.5°	700.4	773.1	832.7	895.4	968.0	1040.6	1129.4	1238.0	1379.2	1569.5	1867.0
-5°	697.9	770.3	830.2	892.6	964.3	1036.6	1124.1	1230.9	1369.1	1554.6	1841.4
-7.5°	693.8	765.8	826.1	887.8	958.3	1030.0	1115.2	1219.1	1352.3	1529.9	1799.1
-10°	688.0	759.4	820.3	881.1	949.8	1020.8	1102.9	1202.7	1329.0	1495.7	1740.6
-12.5°	680.7	751.3	813.0	872.6	939.1	1009.0	1087.2	1181.8	1299.4	1452.3	1666.5
-15°	671.8	741.4	804.1	862.3	926.0	994.8	1068.2	1156.5	1263.8	1400.0	1577.5
-17.5°	661.3	729.7	793.7	850.2	910.7	978.2	1046.0	1127.8	1226.4	1350.5	1510.7
-20°	649.3	716.5	781.7	836.4	893.7	959.3	1024.7	1100.5	1190.3	1299.7	1436.5

Classified

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

Scaled Data Report



REPORT NUMBER: P624751 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-44

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	635.8	701.6	767.1	821.6	876.9	938.1	1001.8	1070.1	1150.2	1243.3	1361.9
-25°	621.2	685.1	749.0	805.4	858.3	914.8	976.6	1037.7	1110.8	1195.4	1295.8
-27.5°	605.7	667.1	729.2	787.8	838.1	890.4	949.3	1008.3	1072.0	1144.5	1228.4
-30°	588.8	647.7	707.9	767.7	817.2	866.9	919.9	976.8	1032.6	1097.7	1170.4
-32.5°	570.7	626.9	685.1	742.9	795.2	841.8	889.7	943.3	996.8	1050.7	1113.3
-35°	550.6	605.7	660.8	716.5	771.4	816.2	861.2	907.9	959.1	1008.9	1060.9
-37.5°	528.2	583.2	635.2	688.6	741.4	789.7	831.4	874.4	919.6	967.1	1013.0
-40°	504.7	559.6	609.2	659.5	709.8	759.4	801.8	841.0	881.0	923.5	967.1
-42.5°	480.0	532.6	582.3	629.0	677.0	724.2	770.3	807.8	844.3	881.0	919.6
-45°	454.2	504.4	553.8	598.7	642.9	687.6	731.4	774.0	807.8	841.0	874.4
-47.5°	427.4	475.1	522.0	567.3	608.6	650.0	691.2	731.4	770.3	801.8	831.4
-50°	399.4	444.8	489.1	532.7	573.9	611.9	650.0	687.6	724.2	759.4	789.7
-52.5°	369.5	413.5	455.3	496.2	536.2	573.9	608.6	642.9	677.0	709.8	741.4
-55°	338.9	380.3	420.5	458.8	496.2	532.7	567.3	598.7	629.0	659.5	688.6
-57.5°	309.0	346.0	383.9	420.5	455.3	489.1	522.0	553.8	582.3	609.2	635.2
-60°	279.4	312.3	346.0	380.3	413.5	444.8	475.1	504.4	532.6	559.6	583.2
-62.5°	249.7	279.4	309.0	338.9	369.5	399.4	427.4	454.2	480.0	504.7	528.2
-65°	221.7	246.7	272.9	299.2	324.8	351.7	377.9	403.2	426.7	449.1	470.4
-67.5°	193.2	215.8	237.9	259.9	283.0	305.4	327.0	349.7	371.5	392.4	412.1
-70°	168.0	185.1	204.1	223.3	241.9	260.5	279.7	298.2	316.0	333.5	351.1
-72.5°	143.1	158.1	172.7	187.0	203.0	218.8	234.1	248.8	263.7	278.5	292.6
-75°	119.7	131.0	143.4	155.6	167.5	179.0	190.4	202.9	215.0	226.5	237.5
-77.5°	97.3	106.8	116.0	125.0	133.9	143.5	152.7	161.6	170.1	178.2	186.0
-80°	75.3	82.3	89.7	96.9	103.9	110.6	117.2	123.4	129.4	135.5	141.7
-82.5°	54.1	59.4	64.6	69.6	74.5	79.2	83.9	88.6	93.1	97.4	101.4
-85°	33.6	36.4	39.8	43.2	46.4	49.6	52.6	55.5	58.3	61.0	63.5
-87.5°	16.8	18.2	19.6	20.9	22.2	23.4	24.6	25.7	26.8	27.9	28.9
-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: P624751 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-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°	29.8	30.7	31.5	32.3	33.0	33.6	34.2	34.7	35.2	35.5	35.8
85°	65.9	68.2	70.3	72.2	74.0	75.6	77.1	78.4	79.5	80.5	81.3
82.5°	105.3	108.9	112.3	115.4	118.3	120.9	123.3	125.4	127.2	128.8	130.0
80°	147.5	153.0	158.1	162.9	167.3	171.2	174.8	178.0	180.8	183.1	185.1
77.5°	194.1	202.2	209.8	216.8	223.3	229.1	234.4	239.1	243.2	246.7	249.6
75°	247.8	257.9	267.9	277.2	285.7	293.6	300.6	306.8	312.3	316.9	320.7
72.5°	306.0	318.5	330.5	342.4	353.4	363.3	372.3	380.3	387.3	393.2	398.1
70°	367.8	383.5	398.2	411.7	423.8	434.8	444.8	453.6	461.3	467.9	473.3
67.5°	430.2	447.3	463.3	478.1	491.8	504.4	515.7	525.7	534.5	541.9	548.0
65°	490.6	509.7	527.6	544.3	559.6	572.4	584.0	594.3	603.3	610.9	617.2
62.5°	550.6	570.7	588.8	605.7	621.2	635.8	649.3	661.3	671.8	680.7	688.0
60°	605.7	626.9	647.7	667.1	685.1	701.6	716.5	729.7	741.4	751.3	759.4
57.5°	660.8	685.1	707.9	729.2	749.0	767.1	781.7	793.7	804.1	813.0	820.3
55°	716.5	742.9	767.7	787.8	805.4	821.6	836.4	850.2	862.3	872.6	881.1
52.5°	771.4	795.2	817.2	838.1	858.3	876.9	893.7	910.7	926.0	939.1	949.8
50°	816.2	841.8	866.9	890.4	914.8	938.1	959.3	978.2	994.8	1009.0	1020.8
47.5°	861.2	889.7	919.9	949.3	976.6	1001.8	1024.7	1046.0	1068.2	1087.2	1102.9
45°	907.9	943.3	976.8	1008.3	1037.7	1070.1	1100.5	1127.8	1156.5	1181.8	1202.7
42.5°	959.1	996.8	1032.6	1072.0	1110.8	1150.2	1190.3	1226.4	1263.8	1299.4	1329.0
40°	1008.9	1050.7	1097.7	1144.5	1195.4	1243.3	1299.7	1350.5	1400.0	1452.3	1495.7
37.5°	1060.9	1113.3	1170.4	1228.4	1295.8	1361.9	1436.5	1510.7	1577.5	1666.5	1740.6
35°	1118.5	1183.6	1251.0	1331.5	1416.1	1511.8	1614.4	1740.0	1851.6	1994.7	2126.9
32.5°	1183.6	1259.8	1349.6	1453.7	1563.1	1717.4	1866.2	2082.1	2280.2	2517.9	2774.4
30°	1251.0	1349.6	1466.3	1597.4	1780.4	2001.6	2263.6	2608.2	2990.3	3397.7	3940.6
27.5°	1331.5	1453.7	1597.4	1801.6	2073.5	2380.2	2880.8	3431.2	4234.2	4938.6	6052.8
25°	1416.1	1563.1	1780.4	2073.5	2447.0	3019.8	3850.0	4812.6	6337.4	7782.9	9432.8
22.5°	1511.8	1717.4	2001.6	2380.2	3019.8	3991.6	5254.9	7206.7	9399.4	11738.4	13936.5
20°	1614.4	1866.2	2263.6	2880.8	3850.0	5254.9	7501.5	10315.2	13255.3	16377.7	19172.2
17.5°	1740.0	2082.1	2608.2	3431.2	4812.6	7206.7	10315.2	13852.1	17643.3	21547.0	25103.3
15°	1851.6	2280.2	2990.3	4234.2	6337.4	9399.4	13255.3	17643.3	22361.5	27338.9	32590.0
12.5°	1994.7	2517.9	3397.7	4938.6	7782.9	11738.4	16377.7	21547.0	27338.9	33865.4	42170.1
10°	2126.9	2774.4	3940.6	6052.8	9432.8	13936.5	19172.2	25103.3	32590.0	42170.1	52400.9
7.5°	2231.5	2977.8	4372.6	6945.6	10890.2	15904.8	21778.5	28912.0	38193.6	49784.2	62054.4
5°	2307.2	3125.4	4686.8	7597.1	11958.4	17355.8	23714.8	31822.1	43016.2	56308.5	68600.0
2.5°	2353.0	3214.8	4877.7	7993.8	12611.0	18246.0	24909.6	33632.6	46052.7	60492.5	72924.7
0°	2368.3	3244.8	4941.7	8127.0	12830.5	18546.2	25313.7	34247.7	47091.4	61939.6	74449.3
-2.5°	2353.0	3214.8	4877.7	7993.8	12611.0	18246.0	24909.6	33632.6	46052.7	60492.5	72924.7
-5°	2307.2	3125.4	4686.8	7597.1	11958.4	17355.8	23714.8	31822.1	43016.2	56308.5	68600.0
-7.5°	2231.5	2977.8	4372.6	6945.6	10890.2	15904.8	21778.5	28912.0	38193.6	49784.2	62054.4
-10°	2126.9	2774.4	3940.6	6052.8	9432.8	13936.5	19172.2	25103.3	32590.0	42170.1	52400.9
-12.5°	1994.7	2517.9	3397.7	4938.6	7782.9	11738.4	16377.7	21547.0	27338.9	33865.4	42170.1
-15°	1851.6	2280.2	2990.3	4234.2	6337.4	9399.4	13255.3	17643.3	22361.5	27338.9	32590.0
-17.5°	1740.0	2082.1	2608.2	3431.2	4812.6	7206.7	10315.2	13852.1	17643.3	21547.0	25103.3
-20°	1614.4	1866.2	2263.6	2880.8	3850.0	5254.9	7501.5	10315.2	13255.3	16377.7	19172.2

Classified

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

Scaled Data Report



REPORT NUMBER: P624751 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-44

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1511.8	1717.4	2001.6	2380.2	3019.8	3991.6	5254.9	7206.7	9399.4	11738.4	13936.5
-25°	1416.1	1563.1	1780.4	2073.5	2447.0	3019.8	3850.0	4812.6	6337.4	7782.9	9432.8
-27.5°	1331.5	1453.7	1597.4	1801.6	2073.5	2380.2	2880.8	3431.2	4234.2	4938.6	6052.8
-30°	1251.0	1349.6	1466.3	1597.4	1780.4	2001.6	2263.6	2608.2	2990.3	3397.7	3940.6
-32.5°	1183.6	1259.8	1349.6	1453.7	1563.1	1717.4	1866.2	2082.1	2280.2	2517.9	2774.4
-35°	1118.5	1183.6	1251.0	1331.5	1416.1	1511.8	1614.4	1740.0	1851.6	1994.7	2126.9
-37.5°	1060.9	1113.3	1170.4	1228.4	1295.8	1361.9	1436.5	1510.7	1577.5	1666.5	1740.6
-40°	1008.9	1050.7	1097.7	1144.5	1195.4	1243.3	1299.7	1350.5	1400.0	1452.3	1495.7
-42.5°	959.1	996.8	1032.6	1072.0	1110.8	1150.2	1190.3	1226.4	1263.8	1299.4	1329.0
-45°	907.9	943.3	976.8	1008.3	1037.7	1070.1	1100.5	1127.8	1156.5	1181.8	1202.7
-47.5°	861.2	889.7	919.9	949.3	976.6	1001.8	1024.7	1046.0	1068.2	1087.2	1102.9
-50°	816.2	841.8	866.9	890.4	914.8	938.1	959.3	978.2	994.8	1009.0	1020.8
-52.5°	771.4	795.2	817.2	838.1	858.3	876.9	893.7	910.7	926.0	939.1	949.8
-55°	716.5	742.9	767.7	787.8	805.4	821.6	836.4	850.2	862.3	872.6	881.1
-57.5°	660.8	685.1	707.9	729.2	749.0	767.1	781.7	793.7	804.1	813.0	820.3
-60°	605.7	626.9	647.7	667.1	685.1	701.6	716.5	729.7	741.4	751.3	759.4
-62.5°	550.6	570.7	588.8	605.7	621.2	635.8	649.3	661.3	671.8	680.7	688.0
-65°	490.6	509.7	527.6	544.3	559.6	572.4	584.0	594.3	603.3	610.9	617.2
-67.5°	430.2	447.3	463.3	478.1	491.8	504.4	515.7	525.7	534.5	541.9	548.0
-70°	367.8	383.5	398.2	411.7	423.8	434.8	444.8	453.6	461.3	467.9	473.3
-72.5°	306.0	318.5	330.5	342.4	353.4	363.3	372.3	380.3	387.3	393.2	398.1
-75°	247.8	257.9	267.9	277.2	285.7	293.6	300.6	306.8	312.3	316.9	320.7
-77.5°	194.1	202.2	209.8	216.8	223.3	229.1	234.4	239.1	243.2	246.7	249.6
-80°	147.5	153.0	158.1	162.9	167.3	171.2	174.8	178.0	180.8	183.1	185.1
-82.5°	105.3	108.9	112.3	115.4	118.3	120.9	123.3	125.4	127.2	128.8	130.0
-85°	65.9	68.2	70.3	72.2	74.0	75.6	77.1	78.4	79.5	80.5	81.3
-87.5°	29.8	30.7	31.5	32.3	33.0	33.6	34.2	34.7	35.2	35.5	35.8
-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: P624751 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-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°	36.1	36.3	36.4	36.4	36.4	36.3	36.1	35.8	35.5	35.2	34.7
85°	81.9	82.3	82.6	82.7	82.6	82.3	81.9	81.3	80.5	79.5	78.4
82.5°	131.0	131.7	132.2	132.3	132.2	131.7	131.0	130.0	128.8	127.2	125.4
80°	186.6	187.6	188.3	188.5	188.3	187.6	186.6	185.1	183.1	180.8	178.0
77.5°	251.8	253.4	254.4	254.7	254.4	253.4	251.8	249.6	246.7	243.2	239.1
75°	323.7	325.8	327.1	327.5	327.1	325.8	323.7	320.7	316.9	312.3	306.8
72.5°	401.9	404.6	406.3	406.8	406.3	404.6	401.9	398.1	393.2	387.3	380.3
70°	477.5	480.5	482.3	482.9	482.3	480.5	477.5	473.3	467.9	461.3	453.6
67.5°	552.8	556.3	558.3	559.0	558.3	556.3	552.8	548.0	541.9	534.5	525.7
65°	622.2	625.7	627.8	628.5	627.8	625.7	622.2	617.2	610.9	603.3	594.3
62.5°	693.8	697.9	700.4	701.2	700.4	697.9	693.8	688.0	680.7	671.8	661.3
60°	765.8	770.3	773.1	774.0	773.1	770.3	765.8	759.4	751.3	741.4	729.7
57.5°	826.1	830.2	832.7	833.5	832.7	830.2	826.1	820.3	813.0	804.1	793.7
55°	887.8	892.6	895.4	896.4	895.4	892.6	887.8	881.1	872.6	862.3	850.2
52.5°	958.3	964.3	968.0	969.2	968.0	964.3	958.3	949.8	939.1	926.0	910.7
50°	1030.0	1036.6	1040.6	1041.9	1040.6	1036.6	1030.0	1020.8	1009.0	994.8	978.2
47.5°	1115.2	1124.1	1129.4	1131.2	1129.4	1124.1	1115.2	1102.9	1087.2	1068.2	1046.0
45°	1219.1	1230.9	1238.0	1240.4	1238.0	1230.9	1219.1	1202.7	1181.8	1156.5	1127.8
42.5°	1352.3	1369.1	1379.2	1382.6	1379.2	1369.1	1352.3	1329.0	1299.4	1263.8	1226.4
40°	1529.9	1554.6	1569.5	1574.5	1569.5	1554.6	1529.9	1495.7	1452.3	1400.0	1350.5
37.5°	1799.1	1841.4	1867.0	1875.5	1867.0	1841.4	1799.1	1740.6	1666.5	1577.5	1510.7
35°	2231.5	2307.2	2353.0	2368.3	2353.0	2307.2	2231.5	2126.9	1994.7	1851.6	1740.0
32.5°	2977.8	3125.4	3214.8	3244.8	3214.8	3125.4	2977.8	2774.4	2517.9	2280.2	2082.1
30°	4372.6	4686.8	4877.7	4941.7	4877.7	4686.8	4372.6	3940.6	3397.7	2990.3	2608.2
27.5°	6945.6	7597.1	7993.8	8127.0	7993.8	7597.1	6945.6	6052.8	4938.6	4234.2	3431.2
25°	10890.2	11958.4	12611.0	12830.5	12611.0	11958.4	10890.2	9432.8	7782.9	6337.4	4812.6
22.5°	15904.8	17355.8	18246.0	18546.2	18246.0	17355.8	15904.8	13936.5	11738.4	9399.4	7206.7
20°	21778.5	23714.8	24909.6	25313.7	24909.6	23714.8	21778.5	19172.2	16377.7	13255.3	10315.2
17.5°	28912.0	31822.1	33632.6	34247.7	33632.6	31822.1	28912.0	25103.3	21547.0	17643.3	13852.1
15°	38193.6	43016.2	46052.7	47091.4	46052.7	43016.2	38193.6	32590.0	27338.9	22361.5	17643.3
12.5°	49784.2	56308.5	60492.5	61939.6	60492.5	56308.5	49784.2	42170.1	33865.4	27338.9	21547.0
10°	62054.4	68600.0	72924.7	74449.3	72924.7	68600.0	62054.4	52400.9	42170.1	32590.0	25103.3
7.5°	71489.9	78651.4	83311.9	85017.3	83311.9	78651.4	71489.9	62054.4	49784.2	38193.6	28912.0
5°	78651.4	86608.6	92034.5	94196.1	92034.5	86608.6	78651.4	68600.0	56308.5	43016.2	31822.1
2.5°	83311.9	92034.5	97789.8	100328.6	97789.8	92034.5	83311.9	72924.7	60492.5	46052.7	33632.6
0°	85017.3	94196.1	100328.6	102584.4	100328.6	94196.1	85017.3	74449.3	61939.6	47091.4	34247.7
-2.5°	83311.9	92034.5	97789.8	100328.6	97789.8	92034.5	83311.9	72924.7	60492.5	46052.7	33632.6
-5°	78651.4	86608.6	92034.5	94196.1	92034.5	86608.6	78651.4	68600.0	56308.5	43016.2	31822.1
-7.5°	71489.9	78651.4	83311.9	85017.3	83311.9	78651.4	71489.9	62054.4	49784.2	38193.6	28912.0
-10°	62054.4	68600.0	72924.7	74449.3	72924.7	68600.0	62054.4	52400.9	42170.1	32590.0	25103.3
-12.5°	49784.2	56308.5	60492.5	61939.6	60492.5	56308.5	49784.2	42170.1	33865.4	27338.9	21547.0
-15°	38193.6	43016.2	46052.7	47091.4	46052.7	43016.2	38193.6	32590.0	27338.9	22361.5	17643.3
-17.5°	28912.0	31822.1	33632.6	34247.7	33632.6	31822.1	28912.0	25103.3	21547.0	17643.3	13852.1
-20°	21778.5	23714.8	24909.6	25313.7	24909.6	23714.8	21778.5	19172.2	16377.7	13255.3	10315.2



REPORT NUMBER: P624751 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-44

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	15904.8	17355.8	18246.0	18546.2	18246.0	17355.8	15904.8	13936.5	11738.4	9399.4	7206.7
-25°	10890.2	11958.4	12611.0	12830.5	12611.0	11958.4	10890.2	9432.8	7782.9	6337.4	4812.6
-27.5°	6945.6	7597.1	7993.8	8127.0	7993.8	7597.1	6945.6	6052.8	4938.6	4234.2	3431.2
-30°	4372.6	4686.8	4877.7	4941.7	4877.7	4686.8	4372.6	3940.6	3397.7	2990.3	2608.2
-32.5°	2977.8	3125.4	3214.8	3244.8	3214.8	3125.4	2977.8	2774.4	2517.9	2280.2	2082.1
-35°	2231.5	2307.2	2353.0	2368.3	2353.0	2307.2	2231.5	2126.9	1994.7	1851.6	1740.0
-37.5°	1799.1	1841.4	1867.0	1875.5	1867.0	1841.4	1799.1	1740.6	1666.5	1577.5	1510.7
-40°	1529.9	1554.6	1569.5	1574.5	1569.5	1554.6	1529.9	1495.7	1452.3	1400.0	1350.5
-42.5°	1352.3	1369.1	1379.2	1382.6	1379.2	1369.1	1352.3	1329.0	1299.4	1263.8	1226.4
-45°	1219.1	1230.9	1238.0	1240.4	1238.0	1230.9	1219.1	1202.7	1181.8	1156.5	1127.8
-47.5°	1115.2	1124.1	1129.4	1131.2	1129.4	1124.1	1115.2	1102.9	1087.2	1068.2	1046.0
-50°	1030.0	1036.6	1040.6	1041.9	1040.6	1036.6	1030.0	1020.8	1009.0	994.8	978.2
-52.5°	958.3	964.3	968.0	969.2	968.0	964.3	958.3	949.8	939.1	926.0	910.7
-55°	887.8	892.6	895.4	896.4	895.4	892.6	887.8	881.1	872.6	862.3	850.2
-57.5°	826.1	830.2	832.7	833.5	832.7	830.2	826.1	820.3	813.0	804.1	793.7
-60°	765.8	770.3	773.1	774.0	773.1	770.3	765.8	759.4	751.3	741.4	729.7
-62.5°	693.8	697.9	700.4	701.2	700.4	697.9	693.8	688.0	680.7	671.8	661.3
-65°	622.2	625.7	627.8	628.5	627.8	625.7	622.2	617.2	610.9	603.3	594.3
-67.5°	552.8	556.3	558.3	559.0	558.3	556.3	552.8	548.0	541.9	534.5	525.7
-70°	477.5	480.5	482.3	482.9	482.3	480.5	477.5	473.3	467.9	461.3	453.6
-72.5°	401.9	404.6	406.3	406.8	406.3	404.6	401.9	398.1	393.2	387.3	380.3
-75°	323.7	325.8	327.1	327.5	327.1	325.8	323.7	320.7	316.9	312.3	306.8
-77.5°	251.8	253.4	254.4	254.7	254.4	253.4	251.8	249.6	246.7	243.2	239.1
-80°	186.6	187.6	188.3	188.5	188.3	187.6	186.6	185.1	183.1	180.8	178.0
-82.5°	131.0	131.7	132.2	132.3	132.2	131.7	131.0	130.0	128.8	127.2	125.4
-85°	81.9	82.3	82.6	82.7	82.6	82.3	81.9	81.3	80.5	79.5	78.4
-87.5°	36.1	36.3	36.4	36.4	36.4	36.3	36.1	35.8	35.5	35.2	34.7
-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: P624751 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-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°	34.2	33.6	33.0	32.3	31.5	30.7	29.8	28.9	27.9	26.8	25.7
85°	77.1	75.6	74.0	72.2	70.3	68.2	65.9	63.5	61.0	58.3	55.5
82.5°	123.3	120.9	118.3	115.4	112.3	108.9	105.3	101.4	97.4	93.1	88.6
80°	174.8	171.2	167.3	162.9	158.1	153.0	147.5	141.7	135.5	129.4	123.4
77.5°	234.4	229.1	223.3	216.8	209.8	202.2	194.1	186.0	178.2	170.1	161.6
75°	300.6	293.6	285.7	277.2	267.9	257.9	247.8	237.5	226.5	215.0	202.9
72.5°	372.3	363.3	353.4	342.4	330.5	318.5	306.0	292.6	278.5	263.7	248.8
70°	444.8	434.8	423.8	411.7	398.2	383.5	367.8	351.1	333.5	316.0	298.2
67.5°	515.7	504.4	491.8	478.1	463.3	447.3	430.2	412.1	392.4	371.5	349.7
65°	584.0	572.4	559.6	544.3	527.6	509.7	490.6	470.4	449.1	426.7	403.2
62.5°	649.3	635.8	621.2	605.7	588.8	570.7	550.6	528.2	504.7	480.0	454.2
60°	716.5	701.6	685.1	667.1	647.7	626.9	605.7	583.2	559.6	532.6	504.4
57.5°	781.7	767.1	749.0	729.2	707.9	685.1	660.8	635.2	609.2	582.3	553.8
55°	836.4	821.6	805.4	787.8	767.7	742.9	716.5	688.6	659.5	629.0	598.7
52.5°	893.7	876.9	858.3	838.1	817.2	795.2	771.4	741.4	709.8	677.0	642.9
50°	959.3	938.1	914.8	890.4	866.9	841.8	816.2	789.7	759.4	724.2	687.6
47.5°	1024.7	1001.8	976.6	949.3	919.9	889.7	861.2	831.4	801.8	770.3	731.4
45°	1100.5	1070.1	1037.7	1008.3	976.8	943.3	907.9	874.4	841.0	807.8	774.0
42.5°	1190.3	1150.2	1110.8	1072.0	1032.6	996.8	959.1	919.6	881.0	844.3	807.8
40°	1299.7	1243.3	1195.4	1144.5	1097.7	1050.7	1008.9	967.1	923.5	881.0	841.0
37.5°	1436.5	1361.9	1295.8	1228.4	1170.4	1113.3	1060.9	1013.0	967.1	919.6	874.4
35°	1614.4	1511.8	1416.1	1331.5	1251.0	1183.6	1118.5	1060.9	1008.9	959.1	907.9
32.5°	1866.2	1717.4	1563.1	1453.7	1349.6	1259.8	1183.6	1113.3	1050.7	996.8	943.3
30°	2263.6	2001.6	1780.4	1597.4	1466.3	1349.6	1251.0	1170.4	1097.7	1032.6	976.8
27.5°	2880.8	2380.2	2073.5	1801.6	1597.4	1453.7	1331.5	1228.4	1144.5	1072.0	1008.3
25°	3850.0	3019.8	2447.0	2073.5	1780.4	1563.1	1416.1	1295.8	1195.4	1110.8	1037.7
22.5°	5254.9	3991.6	3019.8	2380.2	2001.6	1717.4	1511.8	1361.9	1243.3	1150.2	1070.1
20°	7501.5	5254.9	3850.0	2880.8	2263.6	1866.2	1614.4	1436.5	1299.7	1190.3	1100.5
17.5°	10315.2	7206.7	4812.6	3431.2	2608.2	2082.1	1740.0	1510.7	1350.5	1226.4	1127.8
15°	13255.3	9399.4	6337.4	4234.2	2990.3	2280.2	1851.6	1577.5	1400.0	1263.8	1156.5
12.5°	16377.7	11738.4	7782.9	4938.6	3397.7	2517.9	1994.7	1666.5	1452.3	1299.4	1181.8
10°	19172.2	13936.5	9432.8	6052.8	3940.6	2774.4	2126.9	1740.6	1495.7	1329.0	1202.7
7.5°	21778.5	15904.8	10890.2	6945.6	4372.6	2977.8	2231.5	1799.1	1529.9	1352.3	1219.1
5°	23714.8	17355.8	11958.4	7597.1	4686.8	3125.4	2307.2	1841.4	1554.6	1369.1	1230.9
2.5°	24909.6	18246.0	12611.0	7993.8	4877.7	3214.8	2353.0	1867.0	1569.5	1379.2	1238.0
0°	25313.7	18546.2	12830.5	8127.0	4941.7	3244.8	2368.3	1875.5	1574.5	1382.6	1240.4
-2.5°	24909.6	18246.0	12611.0	7993.8	4877.7	3214.8	2353.0	1867.0	1569.5	1379.2	1238.0
-5°	23714.8	17355.8	11958.4	7597.1	4686.8	3125.4	2307.2	1841.4	1554.6	1369.1	1230.9
-7.5°	21778.5	15904.8	10890.2	6945.6	4372.6	2977.8	2231.5	1799.1	1529.9	1352.3	1219.1
-10°	19172.2	13936.5	9432.8	6052.8	3940.6	2774.4	2126.9	1740.6	1495.7	1329.0	1202.7
-12.5°	16377.7	11738.4	7782.9	4938.6	3397.7	2517.9	1994.7	1666.5	1452.3	1299.4	1181.8
-15°	13255.3	9399.4	6337.4	4234.2	2990.3	2280.2	1851.6	1577.5	1400.0	1263.8	1156.5
-17.5°	10315.2	7206.7	4812.6	3431.2	2608.2	2082.1	1740.0	1510.7	1350.5	1226.4	1127.8
-20°	7501.5	5254.9	3850.0	2880.8	2263.6	1866.2	1614.4	1436.5	1299.7	1190.3	1100.5



REPORT NUMBER: P624751 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-44

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5254.9	3991.6	3019.8	2380.2	2001.6	1717.4	1511.8	1361.9	1243.3	1150.2	1070.1
-25°	3850.0	3019.8	2447.0	2073.5	1780.4	1563.1	1416.1	1295.8	1195.4	1110.8	1037.7
-27.5°	2880.8	2380.2	2073.5	1801.6	1597.4	1453.7	1331.5	1228.4	1144.5	1072.0	1008.3
-30°	2263.6	2001.6	1780.4	1597.4	1466.3	1349.6	1251.0	1170.4	1097.7	1032.6	976.8
-32.5°	1866.2	1717.4	1563.1	1453.7	1349.6	1259.8	1183.6	1113.3	1050.7	996.8	943.3
-35°	1614.4	1511.8	1416.1	1331.5	1251.0	1183.6	1118.5	1060.9	1008.9	959.1	907.9
-37.5°	1436.5	1361.9	1295.8	1228.4	1170.4	1113.3	1060.9	1013.0	967.1	919.6	874.4
-40°	1299.7	1243.3	1195.4	1144.5	1097.7	1050.7	1008.9	967.1	923.5	881.0	841.0
-42.5°	1190.3	1150.2	1110.8	1072.0	1032.6	996.8	959.1	919.6	881.0	844.3	807.8
-45°	1100.5	1070.1	1037.7	1008.3	976.8	943.3	907.9	874.4	841.0	807.8	774.0
-47.5°	1024.7	1001.8	976.6	949.3	919.9	889.7	861.2	831.4	801.8	770.3	731.4
-50°	959.3	938.1	914.8	890.4	866.9	841.8	816.2	789.7	759.4	724.2	687.6
-52.5°	893.7	876.9	858.3	838.1	817.2	795.2	771.4	741.4	709.8	677.0	642.9
-55°	836.4	821.6	805.4	787.8	767.7	742.9	716.5	688.6	659.5	629.0	598.7
-57.5°	781.7	767.1	749.0	729.2	707.9	685.1	660.8	635.2	609.2	582.3	553.8
-60°	716.5	701.6	685.1	667.1	647.7	626.9	605.7	583.2	559.6	532.6	504.4
-62.5°	649.3	635.8	621.2	605.7	588.8	570.7	550.6	528.2	504.7	480.0	454.2
-65°	584.0	572.4	559.6	544.3	527.6	509.7	490.6	470.4	449.1	426.7	403.2
-67.5°	515.7	504.4	491.8	478.1	463.3	447.3	430.2	412.1	392.4	371.5	349.7
-70°	444.8	434.8	423.8	411.7	398.2	383.5	367.8	351.1	333.5	316.0	298.2
-72.5°	372.3	363.3	353.4	342.4	330.5	318.5	306.0	292.6	278.5	263.7	248.8
-75°	300.6	293.6	285.7	277.2	267.9	257.9	247.8	237.5	226.5	215.0	202.9
-77.5°	234.4	229.1	223.3	216.8	209.8	202.2	194.1	186.0	178.2	170.1	161.6
-80°	174.8	171.2	167.3	162.9	158.1	153.0	147.5	141.7	135.5	129.4	123.4
-82.5°	123.3	120.9	118.3	115.4	112.3	108.9	105.3	101.4	97.4	93.1	88.6
-85°	77.1	75.6	74.0	72.2	70.3	68.2	65.9	63.5	61.0	58.3	55.5
-87.5°	34.2	33.6	33.0	32.3	31.5	30.7	29.8	28.9	27.9	26.8	25.7
-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: P624751 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-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°	24.6	23.4	22.2	20.9	19.6	18.2	16.8	15.4	13.9	12.4	10.9
85°	52.6	49.6	46.4	43.2	39.8	36.4	33.6	30.7	27.8	24.9	21.9
82.5°	83.9	79.2	74.5	69.6	64.6	59.4	54.1	48.7	43.1	37.5	32.8
80°	117.2	110.6	103.9	96.9	89.7	82.3	75.3	68.0	60.7	53.2	45.5
77.5°	152.7	143.5	133.9	125.0	116.0	106.8	97.3	87.6	78.1	68.7	59.2
75°	190.4	179.0	167.5	155.6	143.4	131.0	119.7	108.1	96.3	84.3	72.8
72.5°	234.1	218.8	203.0	187.0	172.7	158.1	143.1	128.4	114.6	100.6	86.4
70°	279.7	260.5	241.9	223.3	204.1	185.1	168.0	150.5	132.8	116.8	100.6
67.5°	327.0	305.4	283.0	259.9	237.9	215.8	193.2	172.9	153.0	132.8	114.6
65°	377.9	351.7	324.8	299.2	272.9	246.7	221.7	196.1	172.9	150.5	128.4
62.5°	427.4	399.4	369.5	338.9	309.0	279.4	249.7	221.7	193.2	168.0	143.1
60°	475.1	444.8	413.5	380.3	346.0	312.3	279.4	246.7	215.8	185.1	158.1
57.5°	522.0	489.1	455.3	420.5	383.9	346.0	309.0	272.9	237.9	204.1	172.7
55°	567.3	532.7	496.2	458.8	420.5	380.3	338.9	299.2	259.9	223.3	187.0
52.5°	608.6	573.9	536.2	496.2	455.3	413.5	369.5	324.8	283.0	241.9	203.0
50°	650.0	611.9	573.9	532.7	489.1	444.8	399.4	351.7	305.4	260.5	218.8
47.5°	691.2	650.0	608.6	567.3	522.0	475.1	427.4	377.9	327.0	279.7	234.1
45°	731.4	687.6	642.9	598.7	553.8	504.4	454.2	403.2	349.7	298.2	248.8
42.5°	770.3	724.2	677.0	629.0	582.3	532.6	480.0	426.7	371.5	316.0	263.7
40°	801.8	759.4	709.8	659.5	609.2	559.6	504.7	449.1	392.4	333.5	278.5
37.5°	831.4	789.7	741.4	688.6	635.2	583.2	528.2	470.4	412.1	351.1	292.6
35°	861.2	816.2	771.4	716.5	660.8	605.7	550.6	490.6	430.2	367.8	306.0
32.5°	889.7	841.8	795.2	742.9	685.1	626.9	570.7	509.7	447.3	383.5	318.5
30°	919.9	866.9	817.2	767.7	707.9	647.7	588.8	527.6	463.3	398.2	330.5
27.5°	949.3	890.4	838.1	787.8	729.2	667.1	605.7	544.3	478.1	411.7	342.4
25°	976.6	914.8	858.3	805.4	749.0	685.1	621.2	559.6	491.8	423.8	353.4
22.5°	1001.8	938.1	876.9	821.6	767.1	701.6	635.8	572.4	504.4	434.8	363.3
20°	1024.7	959.3	893.7	836.4	781.7	716.5	649.3	584.0	515.7	444.8	372.3
17.5°	1046.0	978.2	910.7	850.2	793.7	729.7	661.3	594.3	525.7	453.6	380.3
15°	1068.2	994.8	926.0	862.3	804.1	741.4	671.8	603.3	534.5	461.3	387.3
12.5°	1087.2	1009.0	939.1	872.6	813.0	751.3	680.7	610.9	541.9	467.9	393.2
10°	1102.9	1020.8	949.8	881.1	820.3	759.4	688.0	617.2	548.0	473.3	398.1
7.5°	1115.2	1030.0	958.3	887.8	826.1	765.8	693.8	622.2	552.8	477.5	401.9
5°	1124.1	1036.6	964.3	892.6	830.2	770.3	697.9	625.7	556.3	480.5	404.6
2.5°	1129.4	1040.6	968.0	895.4	832.7	773.1	700.4	627.8	558.3	482.3	406.3
0°	1131.2	1041.9	969.2	896.4	833.5	774.0	701.2	628.5	559.0	482.9	406.8
-2.5°	1129.4	1040.6	968.0	895.4	832.7	773.1	700.4	627.8	558.3	482.3	406.3
-5°	1124.1	1036.6	964.3	892.6	830.2	770.3	697.9	625.7	556.3	480.5	404.6
-7.5°	1115.2	1030.0	958.3	887.8	826.1	765.8	693.8	622.2	552.8	477.5	401.9
-10°	1102.9	1020.8	949.8	881.1	820.3	759.4	688.0	617.2	548.0	473.3	398.1
-12.5°	1087.2	1009.0	939.1	872.6	813.0	751.3	680.7	610.9	541.9	467.9	393.2
-15°	1068.2	994.8	926.0	862.3	804.1	741.4	671.8	603.3	534.5	461.3	387.3
-17.5°	1046.0	978.2	910.7	850.2	793.7	729.7	661.3	594.3	525.7	453.6	380.3
-20°	1024.7	959.3	893.7	836.4	781.7	716.5	649.3	584.0	515.7	444.8	372.3

Classified

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

Scaled Data Report



REPORT NUMBER: P624751 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-44

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1001.8	938.1	876.9	821.6	767.1	701.6	635.8	572.4	504.4	434.8	363.3
-25°	976.6	914.8	858.3	805.4	749.0	685.1	621.2	559.6	491.8	423.8	353.4
-27.5°	949.3	890.4	838.1	787.8	729.2	667.1	605.7	544.3	478.1	411.7	342.4
-30°	919.9	866.9	817.2	767.7	707.9	647.7	588.8	527.6	463.3	398.2	330.5
-32.5°	889.7	841.8	795.2	742.9	685.1	626.9	570.7	509.7	447.3	383.5	318.5
-35°	861.2	816.2	771.4	716.5	660.8	605.7	550.6	490.6	430.2	367.8	306.0
-37.5°	831.4	789.7	741.4	688.6	635.2	583.2	528.2	470.4	412.1	351.1	292.6
-40°	801.8	759.4	709.8	659.5	609.2	559.6	504.7	449.1	392.4	333.5	278.5
-42.5°	770.3	724.2	677.0	629.0	582.3	532.6	480.0	426.7	371.5	316.0	263.7
-45°	731.4	687.6	642.9	598.7	553.8	504.4	454.2	403.2	349.7	298.2	248.8
-47.5°	691.2	650.0	608.6	567.3	522.0	475.1	427.4	377.9	327.0	279.7	234.1
-50°	650.0	611.9	573.9	532.7	489.1	444.8	399.4	351.7	305.4	260.5	218.8
-52.5°	608.6	573.9	536.2	496.2	455.3	413.5	369.5	324.8	283.0	241.9	203.0
-55°	567.3	532.7	496.2	458.8	420.5	380.3	338.9	299.2	259.9	223.3	187.0
-57.5°	522.0	489.1	455.3	420.5	383.9	346.0	309.0	272.9	237.9	204.1	172.7
-60°	475.1	444.8	413.5	380.3	346.0	312.3	279.4	246.7	215.8	185.1	158.1
-62.5°	427.4	399.4	369.5	338.9	309.0	279.4	249.7	221.7	193.2	168.0	143.1
-65°	377.9	351.7	324.8	299.2	272.9	246.7	221.7	196.1	172.9	150.5	128.4
-67.5°	327.0	305.4	283.0	259.9	237.9	215.8	193.2	172.9	153.0	132.8	114.6
-70°	279.7	260.5	241.9	223.3	204.1	185.1	168.0	150.5	132.8	116.8	100.6
-72.5°	234.1	218.8	203.0	187.0	172.7	158.1	143.1	128.4	114.6	100.6	86.4
-75°	190.4	179.0	167.5	155.6	143.4	131.0	119.7	108.1	96.3	84.3	72.8
-77.5°	152.7	143.5	133.9	125.0	116.0	106.8	97.3	87.6	78.1	68.7	59.2
-80°	117.2	110.6	103.9	96.9	89.7	82.3	75.3	68.0	60.7	53.2	45.5
-82.5°	83.9	79.2	74.5	69.6	64.6	59.4	54.1	48.7	43.1	37.5	32.8
-85°	52.6	49.6	46.4	43.2	39.8	36.4	33.6	30.7	27.8	24.9	21.9
-87.5°	24.6	23.4	22.2	20.9	19.6	18.2	16.8	15.4	13.9	12.4	10.9
-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: P624751 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-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°	9.4	7.9	6.3	4.7	3.2	1.6	0.0
85°	18.8	15.7	12.6	9.5	6.3	3.2	0.0
82.5°	28.2	23.6	18.9	14.2	9.5	4.7	0.0
80°	37.8	31.4	25.2	18.9	12.6	6.3	0.0
77.5°	49.6	39.8	31.4	23.6	15.7	7.9	0.0
75°	61.2	49.6	37.8	28.2	18.8	9.4	0.0
72.5°	72.8	59.2	45.5	32.8	21.9	10.9	0.0
70°	84.3	68.7	53.2	37.5	24.9	12.4	0.0
67.5°	96.3	78.1	60.7	43.1	27.8	13.9	0.0
65°	108.1	87.6	68.0	48.7	30.7	15.4	0.0
62.5°	119.7	97.3	75.3	54.1	33.6	16.8	0.0
60°	131.0	106.8	82.3	59.4	36.4	18.2	0.0
57.5°	143.4	116.0	89.7	64.6	39.8	19.6	0.0
55°	155.6	125.0	96.9	69.6	43.2	20.9	0.0
52.5°	167.5	133.9	103.9	74.5	46.4	22.2	0.0
50°	179.0	143.5	110.6	79.2	49.6	23.4	0.0
47.5°	190.4	152.7	117.2	83.9	52.6	24.6	0.0
45°	202.9	161.6	123.4	88.6	55.5	25.7	0.0
42.5°	215.0	170.1	129.4	93.1	58.3	26.8	0.0
40°	226.5	178.2	135.5	97.4	61.0	27.9	0.0
37.5°	237.5	186.0	141.7	101.4	63.5	28.9	0.0
35°	247.8	194.1	147.5	105.3	65.9	29.8	0.0
32.5°	257.9	202.2	153.0	108.9	68.2	30.7	0.0
30°	267.9	209.8	158.1	112.3	70.3	31.5	0.0
27.5°	277.2	216.8	162.9	115.4	72.2	32.3	0.0
25°	285.7	223.3	167.3	118.3	74.0	33.0	0.0
22.5°	293.6	229.1	171.2	120.9	75.6	33.6	0.0
20°	300.6	234.4	174.8	123.3	77.1	34.2	0.0
17.5°	306.8	239.1	178.0	125.4	78.4	34.7	0.0
15°	312.3	243.2	180.8	127.2	79.5	35.2	0.0
12.5°	316.9	246.7	183.1	128.8	80.5	35.5	0.0
10°	320.7	249.6	185.1	130.0	81.3	35.8	0.0
7.5°	323.7	251.8	186.6	131.0	81.9	36.1	0.0
5°	325.8	253.4	187.6	131.7	82.3	36.3	0.0
2.5°	327.1	254.4	188.3	132.2	82.6	36.4	0.0
0°	327.5	254.7	188.5	132.3	82.7	36.4	0.0
-2.5°	327.1	254.4	188.3	132.2	82.6	36.4	0.0
-5°	325.8	253.4	187.6	131.7	82.3	36.3	0.0
-7.5°	323.7	251.8	186.6	131.0	81.9	36.1	0.0
-10°	320.7	249.6	185.1	130.0	81.3	35.8	0.0
-12.5°	316.9	246.7	183.1	128.8	80.5	35.5	0.0
-15°	312.3	243.2	180.8	127.2	79.5	35.2	0.0
-17.5°	306.8	239.1	178.0	125.4	78.4	34.7	0.0
-20°	300.6	234.4	174.8	123.3	77.1	34.2	0.0

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Scaled Data Report



REPORT NUMBER: P624751 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-44

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	293.6	229.1	171.2	120.9	75.6	33.6	0.0
-25°	285.7	223.3	167.3	118.3	74.0	33.0	0.0
-27.5°	277.2	216.8	162.9	115.4	72.2	32.3	0.0
-30°	267.9	209.8	158.1	112.3	70.3	31.5	0.0
-32.5°	257.9	202.2	153.0	108.9	68.2	30.7	0.0
-35°	247.8	194.1	147.5	105.3	65.9	29.8	0.0
-37.5°	237.5	186.0	141.7	101.4	63.5	28.9	0.0
-40°	226.5	178.2	135.5	97.4	61.0	27.9	0.0
-42.5°	215.0	170.1	129.4	93.1	58.3	26.8	0.0
-45°	202.9	161.6	123.4	88.6	55.5	25.7	0.0
-47.5°	190.4	152.7	117.2	83.9	52.6	24.6	0.0
-50°	179.0	143.5	110.6	79.2	49.6	23.4	0.0
-52.5°	167.5	133.9	103.9	74.5	46.4	22.2	0.0
-55°	155.6	125.0	96.9	69.6	43.2	20.9	0.0
-57.5°	143.4	116.0	89.7	64.6	39.8	19.6	0.0
-60°	131.0	106.8	82.3	59.4	36.4	18.2	0.0
-62.5°	119.7	97.3	75.3	54.1	33.6	16.8	0.0
-65°	108.1	87.6	68.0	48.7	30.7	15.4	0.0
-67.5°	96.3	78.1	60.7	43.1	27.8	13.9	0.0
-70°	84.3	68.7	53.2	37.5	24.9	12.4	0.0
-72.5°	72.8	59.2	45.5	32.8	21.9	10.9	0.0
-75°	61.2	49.6	37.8	28.2	18.8	9.4	0.0
-77.5°	49.6	39.8	31.4	23.6	15.7	7.9	0.0
-80°	37.8	31.4	25.2	18.9	12.6	6.3	0.0
-82.5°	28.2	23.6	18.9	14.2	9.5	4.7	0.0
-85°	18.8	15.7	12.6	9.5	6.3	3.2	0.0
-87.5°	9.4	7.9	6.3	4.7	3.2	1.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)