

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: P624787 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-08-E-PRO-3000K-55**

Issue Date: 11/8/2022



Test Information

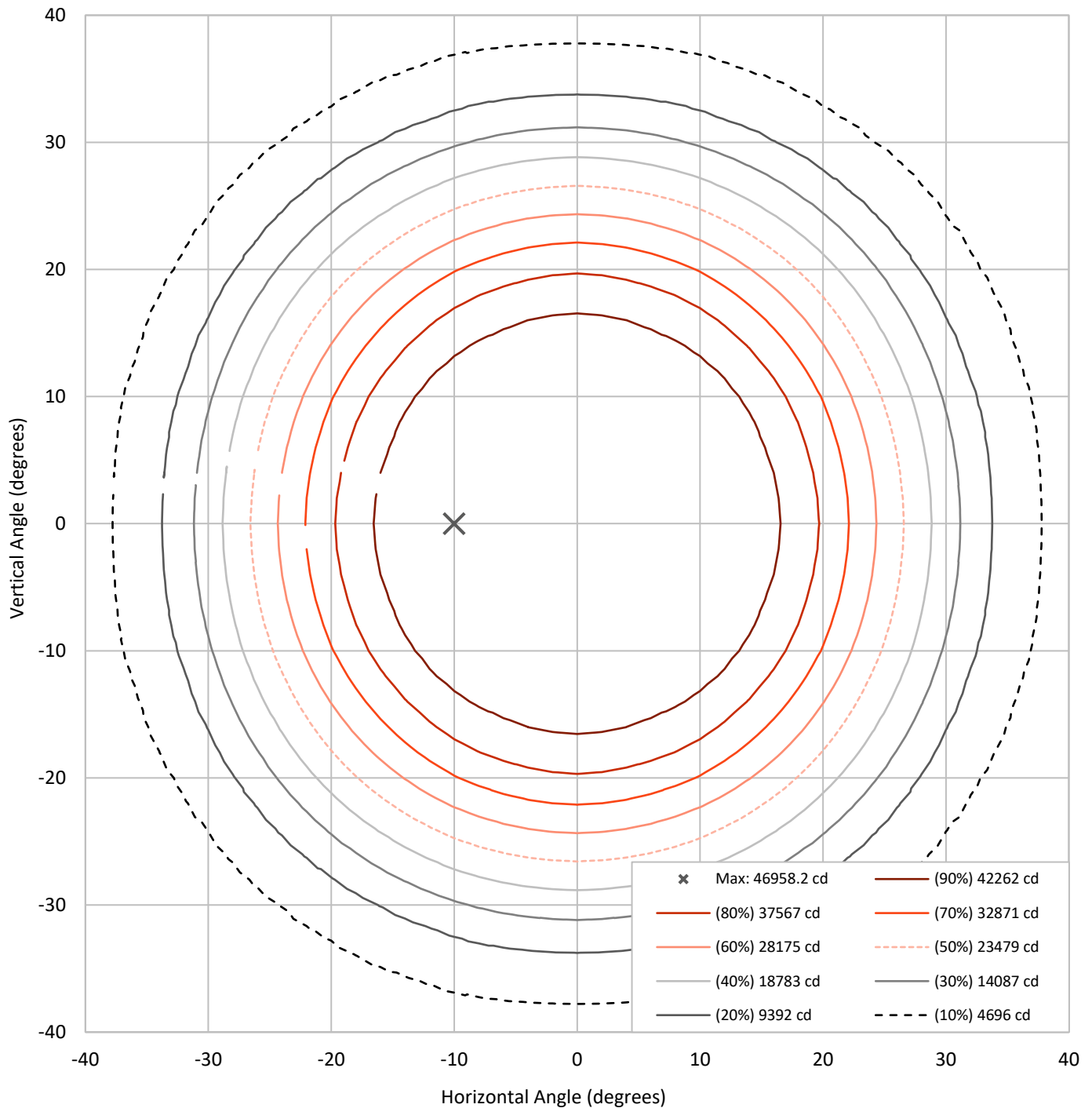
Test Method: LM-79-08
Report Number: P624787 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-5)
Test Lab: INNOVATION CENTER
Issue Date: 11/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-08-E-PRO-3000K-55
Description: EPHESUS LUMAVISION CCT TUNING FLOOD
3000K AND TYPE 55 OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	38415.4 lumens	Max Intensity:	46958.2 candela
Efficiency:	N/A	Max Intensity Angle:	-10°H x 0°V
Efficacy:	117.5 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	53.1°H x 49.5°V	Field Angle (10%):	75.3°H x 73.6°V
Beam Lumens:	25462.7 lumens	Field Lumens:	33109.3 lumens
Beam Efficiency:	66.3%	Field Efficiency:	86.2%
Input Watts (W):	327		
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		

REPORT NUMBER: P624787 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-55

Iso-Candela Plot





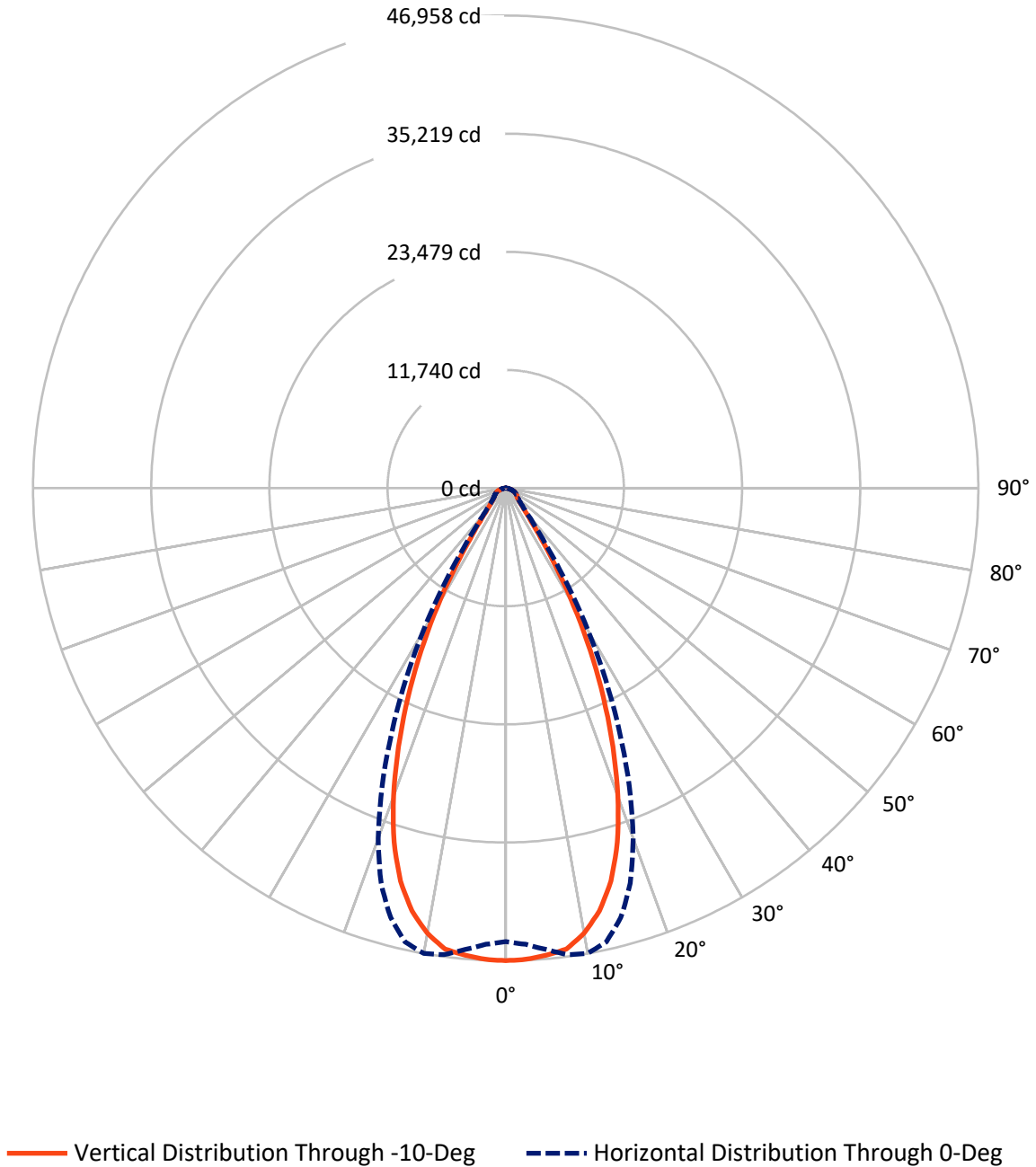
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Lumen Table

90																			
80	1.1	8.4		22.0		35.4		41.0		35.4		22.0		8.4		1.1			
70																			
60	3.9	4.2	8.7	14.3	20.2	25.2	28.8	30.8	30.8	28.8	25.2	20.2	14.3	8.7	4.2	3.9			
50		6.4	13.3	21.1	28.3	34.4	39.0	41.6	41.6	39.0	34.4	28.3	21.1	13.3	6.4				
40	6.8	8.7	17.1	25.9	34.8	45.0	57.0	66.1	66.1	57.0	45.0	34.8	25.9	17.1	8.7	6.8			
30		10.5	19.9	30.1	45.6	81.1	158.6	238.6	238.6	158.6	81.1	45.6	30.1	19.9	10.5				
20	9.1	11.9	21.9	35.3	73.7	234.8	544.0	772.0	772.0	544.0	234.8	73.7	35.3	21.9	11.9	9.1			
10		12.8	23.3	42.0	136.0	512.4	1002.3	1278.0	1278.0	1002.3	512.4	136.0	42.0	23.3	12.8				
0	9.9	13.2	24.1	47.4	199.0	705.7	1240.2	1406.6	1406.6	1240.2	705.7	199.0	47.4	24.1	13.2	9.9			
-10		13.2	24.1	47.4	199.0	705.7	1240.2	1406.6	1406.6	1240.2	705.7	199.0	47.4	24.1	13.2				
-20	9.1	12.8	23.3	42.0	136.0	512.4	1002.3	1278.0	1278.0	1002.3	512.4	136.0	42.0	23.3	12.8	9.1			
-30		11.9	21.9	35.3	73.7	234.8	544.0	772.0	772.0	544.0	234.8	73.7	35.3	21.9	11.9				
-40	6.8	10.5	19.9	30.1	45.6	81.1	158.6	238.6	238.6	158.6	81.1	45.6	30.1	19.9	10.5	6.8			
-50		8.7	17.1	25.9	34.8	45.0	57.0	66.1	66.1	57.0	45.0	34.8	25.9	17.1	8.7				
-60	3.9	6.4	13.3	21.1	28.3	34.4	39.0	41.6	41.6	39.0	34.4	28.3	21.1	13.3	6.4	3.9			
-70		4.2	8.7	14.3	20.2	25.2	28.8	30.8	30.8	28.8	25.2	20.2	14.3	8.7	4.2				
-80																			
-90	1.1	8.4		22.0		35.4		41.0		35.4		22.0		8.4		1.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

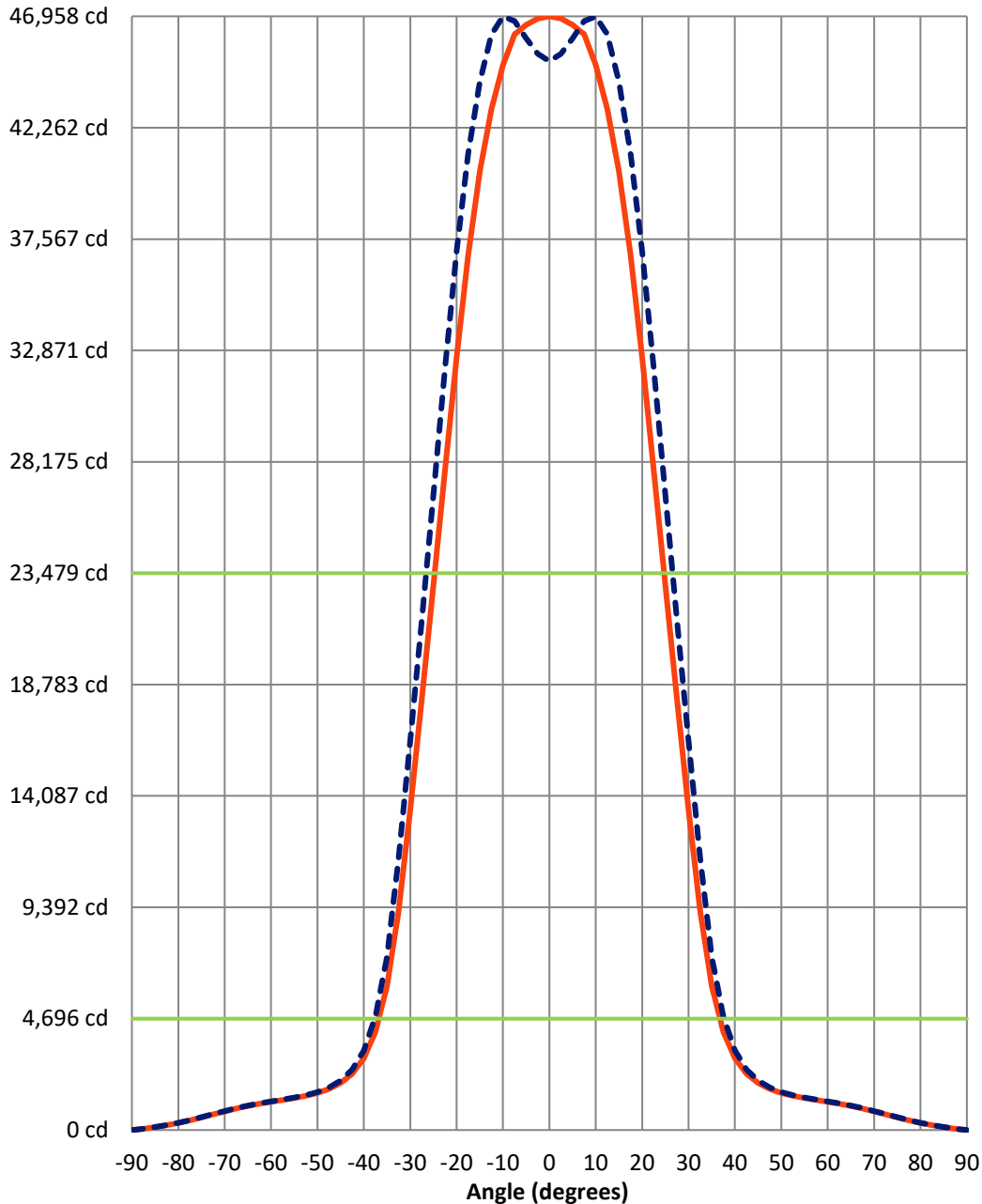
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 53.1°
 V Angle: 49.5°
 Lumens: 25462.7
 Efficiency: 66.3%

Field:
 H Angle: 75.3°
 V Angle: 73.6°
 Lumens: 33109.3
 Efficiency: 86.2%

Spill:
 Lumens: 5306.1
 Efficiency: 13.8%

- Vertical Distribution through -10-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	2.3	4.5	6.8	9.0	11.2	13.4	15.6	17.7	19.9	21.9
85°	0.0	4.5	9.0	13.5	18.0	22.4	26.8	31.2	35.5	39.7	43.8
82.5°	0.0	6.8	13.5	20.3	27.0	33.6	40.2	46.7	53.7	62.9	72.0
80°	0.0	9.0	18.0	27.0	35.9	44.7	54.2	66.9	79.3	91.6	103.7
77.5°	0.0	11.2	22.4	33.6	44.7	57.5	73.5	89.2	104.8	120.2	135.6
75°	0.0	13.4	26.8	40.2	54.2	73.5	92.6	111.4	130.2	149.6	168.6
72.5°	0.0	15.6	31.2	46.7	66.9	89.2	111.4	133.7	156.6	179.1	201.2
70°	0.0	17.7	35.5	53.7	79.3	104.8	130.2	156.6	182.6	208.4	238.7
67.5°	0.0	19.9	39.7	62.9	91.6	120.2	149.6	179.1	208.4	242.9	276.9
65°	0.0	21.9	43.8	72.0	103.7	135.6	168.6	201.2	238.7	276.9	316.3
62.5°	0.0	24.0	47.9	80.9	115.5	151.2	187.3	226.0	268.4	311.3	359.4
60°	0.0	25.9	51.9	89.6	127.1	166.5	205.5	251.6	297.5	349.5	401.7
57.5°	0.0	27.9	57.5	98.0	139.0	181.3	226.5	276.5	329.7	386.8	447.0
55°	0.0	29.8	63.0	106.3	150.6	195.8	247.3	300.8	362.1	424.3	493.2
52.5°	0.0	31.6	68.3	114.3	161.8	210.3	267.6	327.9	393.5	464.8	538.2
50°	0.0	33.4	73.5	122.0	172.7	226.7	287.2	354.6	425.3	504.0	583.1
47.5°	0.0	35.1	78.4	129.6	183.2	242.4	306.5	380.3	459.1	542.0	626.6
45°	0.0	36.7	83.2	137.2	193.3	257.5	327.8	405.1	491.5	579.8	668.7
42.5°	0.0	38.3	87.8	144.4	203.0	272.1	348.1	430.9	522.7	616.0	707.0
40°	0.0	39.8	92.2	151.3	213.1	285.9	367.5	456.9	552.9	650.7	743.4
37.5°	0.0	41.2	96.3	157.9	223.6	299.1	386.0	481.7	582.1	683.2	778.0
35°	0.0	42.5	100.2	164.1	233.6	312.9	403.5	505.1	609.8	712.6	811.3
32.5°	0.0	43.8	103.9	169.9	242.9	326.5	420.6	527.1	635.9	740.4	843.4
30°	0.0	44.9	107.3	175.3	251.6	339.3	438.2	547.9	660.3	766.4	873.4
27.5°	0.0	46.0	110.5	180.4	259.7	351.1	454.6	567.6	682.5	790.5	901.4
25°	0.0	47.0	113.5	185.0	267.2	362.0	469.6	585.8	702.2	813.3	927.0
22.5°	0.0	47.9	116.1	189.3	274.0	372.0	483.3	602.4	720.1	834.3	946.1
20°	0.0	48.8	118.5	193.1	280.1	380.9	495.7	617.4	736.3	853.3	963.4
17.5°	0.0	49.5	120.7	196.4	285.5	388.9	506.6	630.7	750.7	870.2	978.8
15°	0.0	50.1	122.5	199.4	290.2	395.8	516.2	642.2	763.2	884.9	992.2
12.5°	0.0	50.7	124.1	201.9	294.2	401.7	524.3	652.1	773.9	897.4	1003.7
10°	0.0	51.1	125.4	203.9	297.5	406.5	531.0	660.2	782.6	907.7	1013.1
7.5°	0.0	51.5	126.4	205.5	300.1	410.2	536.2	666.5	789.5	915.7	1020.4
5°	0.0	51.7	127.1	206.7	301.9	412.9	539.9	671.0	794.4	921.5	1025.7
2.5°	0.0	51.9	127.6	207.4	303.0	414.6	542.2	673.7	797.3	924.9	1028.8
0°	0.0	51.9	127.7	207.6	303.4	415.1	542.9	674.6	798.3	926.1	1029.9
-2.5°	0.0	51.9	127.6	207.4	303.0	414.6	542.2	673.7	797.3	924.9	1028.8
-5°	0.0	51.7	127.1	206.7	301.9	412.9	539.9	671.0	794.4	921.5	1025.7
-7.5°	0.0	51.5	126.4	205.5	300.1	410.2	536.2	666.5	789.5	915.7	1020.4
-10°	0.0	51.1	125.4	203.9	297.5	406.5	531.0	660.2	782.6	907.7	1013.1
-12.5°	0.0	50.7	124.1	201.9	294.2	401.7	524.3	652.1	773.9	897.4	1003.7
-15°	0.0	50.1	122.5	199.4	290.2	395.8	516.2	642.2	763.2	884.9	992.2
-17.5°	0.0	49.5	120.7	196.4	285.5	388.9	506.6	630.7	750.7	870.2	978.8
-20°	0.0	48.8	118.5	193.1	280.1	380.9	495.7	617.4	736.3	853.3	963.4

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REPORT NUMBER: P624787 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-55

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	47.9	116.1	189.3	274.0	372.0	483.3	602.4	720.1	834.3	946.1
-25°	0.0	47.0	113.5	185.0	267.2	362.0	469.6	585.8	702.2	813.3	927.0
-27.5°	0.0	46.0	110.5	180.4	259.7	351.1	454.6	567.6	682.5	790.5	901.4
-30°	0.0	44.9	107.3	175.3	251.6	339.3	438.2	547.9	660.3	766.4	873.4
-32.5°	0.0	43.8	103.9	169.9	242.9	326.5	420.6	527.1	635.9	740.4	843.4
-35°	0.0	42.5	100.2	164.1	233.6	312.9	403.5	505.1	609.8	712.6	811.3
-37.5°	0.0	41.2	96.3	157.9	223.6	299.1	386.0	481.7	582.1	683.2	778.0
-40°	0.0	39.8	92.2	151.3	213.1	285.9	367.5	456.9	552.9	650.7	743.4
-42.5°	0.0	38.3	87.8	144.4	203.0	272.1	348.1	430.9	522.7	616.0	707.0
-45°	0.0	36.7	83.2	137.2	193.3	257.5	327.8	405.1	491.5	579.8	668.7
-47.5°	0.0	35.1	78.4	129.6	183.2	242.4	306.5	380.3	459.1	542.0	626.6
-50°	0.0	33.4	73.5	122.0	172.7	226.7	287.2	354.6	425.3	504.0	583.1
-52.5°	0.0	31.6	68.3	114.3	161.8	210.3	267.6	327.9	393.5	464.8	538.2
-55°	0.0	29.8	63.0	106.3	150.6	195.8	247.3	300.8	362.1	424.3	493.2
-57.5°	0.0	27.9	57.5	98.0	139.0	181.3	226.5	276.5	329.7	386.8	447.0
-60°	0.0	25.9	51.9	89.6	127.1	166.5	205.5	251.6	297.5	349.5	401.7
-62.5°	0.0	24.0	47.9	80.9	115.5	151.2	187.3	226.0	268.4	311.3	359.4
-65°	0.0	21.9	43.8	72.0	103.7	135.6	168.6	201.2	238.7	276.9	316.3
-67.5°	0.0	19.9	39.7	62.9	91.6	120.2	149.6	179.1	208.4	242.9	276.9
-70°	0.0	17.7	35.5	53.7	79.3	104.8	130.2	156.6	182.6	208.4	238.7
-72.5°	0.0	15.6	31.2	46.7	66.9	89.2	111.4	133.7	156.6	179.1	201.2
-75°	0.0	13.4	26.8	40.2	54.2	73.5	92.6	111.4	130.2	149.6	168.6
-77.5°	0.0	11.2	22.4	33.6	44.7	57.5	73.5	89.2	104.8	120.2	135.6
-80°	0.0	9.0	18.0	27.0	35.9	44.7	54.2	66.9	79.3	91.6	103.7
-82.5°	0.0	6.8	13.5	20.3	27.0	33.6	40.2	46.7	53.7	62.9	72.0
-85°	0.0	4.5	9.0	13.5	18.0	22.4	26.8	31.2	35.5	39.7	43.8
-87.5°	0.0	2.3	4.5	6.8	9.0	11.2	13.4	15.6	17.7	19.9	21.9
-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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CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-55

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°	24.0	25.9	27.9	29.8	31.6	33.4	35.1	36.7	38.3	39.8	41.2
85°	47.9	51.9	57.5	63.0	68.3	73.5	78.4	83.2	87.8	92.2	96.3
82.5°	80.9	89.6	98.0	106.3	114.3	122.0	129.6	137.2	144.4	151.3	157.9
80°	115.5	127.1	139.0	150.6	161.8	172.7	183.2	193.3	203.0	213.1	223.6
77.5°	151.2	166.5	181.3	195.8	210.3	226.7	242.4	257.5	272.1	285.9	299.1
75°	187.3	205.5	226.5	247.3	267.6	287.2	306.5	327.8	348.1	367.5	386.0
72.5°	226.0	251.6	276.5	300.8	327.9	354.6	380.3	405.1	430.9	456.9	481.7
70°	268.4	297.5	329.7	362.1	393.5	425.3	459.1	491.5	522.7	552.9	582.1
67.5°	311.3	349.5	386.8	424.3	464.8	504.0	542.0	579.8	616.0	650.7	683.2
65°	359.4	401.7	447.0	493.2	538.2	583.1	626.6	668.7	707.0	743.4	778.0
62.5°	406.6	458.5	510.4	561.8	612.7	662.3	708.1	751.6	793.5	834.9	874.4
60°	458.5	516.2	573.7	630.7	685.5	736.3	785.6	834.3	881.7	927.0	962.2
57.5°	510.4	573.7	636.6	696.9	753.4	808.7	863.9	917.4	960.9	1001.0	1038.8
55°	561.8	630.7	696.9	759.1	820.6	881.9	938.5	985.4	1030.5	1070.7	1109.1
52.5°	612.7	685.5	753.4	820.6	887.9	948.3	1000.2	1048.9	1093.8	1135.2	1169.7
50°	662.3	736.3	808.7	881.9	948.3	1005.2	1058.2	1107.8	1150.9	1189.5	1226.6
47.5°	708.1	785.6	863.9	938.5	1000.2	1058.2	1112.5	1158.8	1201.5	1242.7	1282.4
45°	751.6	834.3	917.4	985.4	1048.9	1107.8	1158.8	1205.5	1250.9	1295.3	1339.7
42.5°	793.5	881.7	960.9	1030.5	1093.8	1150.9	1201.5	1250.9	1299.6	1348.6	1400.9
40°	834.9	927.0	1001.0	1070.7	1135.2	1189.5	1242.7	1295.3	1348.6	1406.3	1466.0
37.5°	874.4	962.2	1038.8	1109.1	1169.7	1226.6	1282.4	1339.7	1400.9	1466.0	1548.3
35°	912.0	995.8	1072.5	1142.4	1202.7	1262.1	1322.2	1384.9	1455.0	1540.9	1642.3
32.5°	943.5	1027.5	1104.5	1171.4	1234.0	1296.3	1360.2	1433.4	1518.9	1620.0	1757.0
30°	970.6	1055.1	1133.1	1198.6	1263.5	1329.7	1401.4	1482.7	1583.8	1722.8	1899.6
27.5°	995.8	1080.8	1156.4	1224.1	1291.4	1361.1	1441.6	1539.8	1666.6	1831.2	2052.2
25°	1019.1	1104.5	1178.1	1247.7	1318.3	1394.3	1482.4	1593.1	1751.6	1965.2	2265.6
22.5°	1039.6	1126.1	1197.9	1269.3	1343.1	1426.2	1528.0	1662.5	1846.2	2093.2	2482.6
20°	1057.3	1142.4	1215.9	1289.1	1365.5	1455.3	1569.5	1729.1	1951.9	2278.3	2777.4
17.5°	1073.1	1157.0	1231.9	1307.5	1388.7	1485.2	1609.7	1788.9	2047.0	2445.3	3088.8
15°	1086.9	1169.7	1245.9	1323.6	1409.7	1515.3	1658.3	1862.9	2160.4	2623.7	3371.1
12.5°	1098.7	1180.6	1257.8	1337.4	1427.6	1541.1	1699.9	1929.4	2277.6	2843.4	3794.9
10°	1108.4	1189.5	1267.7	1348.7	1442.4	1562.4	1734.3	1984.4	2374.8	3025.9	4147.9
7.5°	1115.9	1196.5	1275.3	1357.6	1453.9	1579.1	1761.3	2027.6	2451.3	3169.7	4426.5
5°	1121.4	1201.5	1280.9	1364.0	1462.2	1591.1	1780.7	2058.7	2506.4	3273.4	4627.7
2.5°	1124.6	1204.5	1284.2	1367.8	1467.2	1598.3	1792.4	2077.4	2539.6	3336.1	4749.3
0°	1125.7	1205.5	1285.3	1369.1	1468.9	1600.7	1796.3	2083.7	2550.7	3357.0	4790.0
-2.5°	1124.6	1204.5	1284.2	1367.8	1467.2	1598.3	1792.4	2077.4	2539.6	3336.1	4749.3
-5°	1121.4	1201.5	1280.9	1364.0	1462.2	1591.1	1780.7	2058.7	2506.4	3273.4	4627.7
-7.5°	1115.9	1196.5	1275.3	1357.6	1453.9	1579.1	1761.3	2027.6	2451.3	3169.7	4426.5
-10°	1108.4	1189.5	1267.7	1348.7	1442.4	1562.4	1734.3	1984.4	2374.8	3025.9	4147.9
-12.5°	1098.7	1180.6	1257.8	1337.4	1427.6	1541.1	1699.9	1929.4	2277.6	2843.4	3794.9
-15°	1086.9	1169.7	1245.9	1323.6	1409.7	1515.3	1658.3	1862.9	2160.4	2623.7	3371.1
-17.5°	1073.1	1157.0	1231.9	1307.5	1388.7	1485.2	1609.7	1788.9	2047.0	2445.3	3088.8
-20°	1057.3	1142.4	1215.9	1289.1	1365.5	1455.3	1569.5	1729.1	1951.9	2278.3	2777.4

Classified

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

Scaled Data Report



REPORT NUMBER: P624787 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-55

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1039.6	1126.1	1197.9	1269.3	1343.1	1426.2	1528.0	1662.5	1846.2	2093.2	2482.6
-25°	1019.1	1104.5	1178.1	1247.7	1318.3	1394.3	1482.4	1593.1	1751.6	1965.2	2265.6
-27.5°	995.8	1080.8	1156.4	1224.1	1291.4	1361.1	1441.6	1539.8	1666.6	1831.2	2052.2
-30°	970.6	1055.1	1133.1	1198.6	1263.5	1329.7	1401.4	1482.7	1583.8	1722.8	1899.6
-32.5°	943.5	1027.5	1104.5	1171.4	1234.0	1296.3	1360.2	1433.4	1518.9	1620.0	1757.0
-35°	912.0	995.8	1072.5	1142.4	1202.7	1262.1	1322.2	1384.9	1455.0	1540.9	1642.3
-37.5°	874.4	962.2	1038.8	1109.1	1169.7	1226.6	1282.4	1339.7	1400.9	1466.0	1548.3
-40°	834.9	927.0	1001.0	1070.7	1135.2	1189.5	1242.7	1295.3	1348.6	1406.3	1466.0
-42.5°	793.5	881.7	960.9	1030.5	1093.8	1150.9	1201.5	1250.9	1299.6	1348.6	1400.9
-45°	751.6	834.3	917.4	985.4	1048.9	1107.8	1158.8	1205.5	1250.9	1295.3	1339.7
-47.5°	708.1	785.6	863.9	938.5	1000.2	1058.2	1112.5	1158.8	1201.5	1242.7	1282.4
-50°	662.3	736.3	808.7	881.9	948.3	1005.2	1058.2	1107.8	1150.9	1189.5	1226.6
-52.5°	612.7	685.5	753.4	820.6	887.9	948.3	1000.2	1048.9	1093.8	1135.2	1169.7
-55°	561.8	630.7	696.9	759.1	820.6	881.9	938.5	985.4	1030.5	1070.7	1109.1
-57.5°	510.4	573.7	636.6	696.9	753.4	808.7	863.9	917.4	960.9	1001.0	1038.8
-60°	458.5	516.2	573.7	630.7	685.5	736.3	785.6	834.3	881.7	927.0	962.2
-62.5°	406.6	458.5	510.4	561.8	612.7	662.3	708.1	751.6	793.5	834.9	874.4
-65°	359.4	401.7	447.0	493.2	538.2	583.1	626.6	668.7	707.0	743.4	778.0
-67.5°	311.3	349.5	386.8	424.3	464.8	504.0	542.0	579.8	616.0	650.7	683.2
-70°	268.4	297.5	329.7	362.1	393.5	425.3	459.1	491.5	522.7	552.9	582.1
-72.5°	226.0	251.6	276.5	300.8	327.9	354.6	380.3	405.1	430.9	456.9	481.7
-75°	187.3	205.5	226.5	247.3	267.6	287.2	306.5	327.8	348.1	367.5	386.0
-77.5°	151.2	166.5	181.3	195.8	210.3	226.7	242.4	257.5	272.1	285.9	299.1
-80°	115.5	127.1	139.0	150.6	161.8	172.7	183.2	193.3	203.0	213.1	223.6
-82.5°	80.9	89.6	98.0	106.3	114.3	122.0	129.6	137.2	144.4	151.3	157.9
-85°	47.9	51.9	57.5	63.0	68.3	73.5	78.4	83.2	87.8	92.2	96.3
-87.5°	24.0	25.9	27.9	29.8	31.6	33.4	35.1	36.7	38.3	39.8	41.2
-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: P624787 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-55

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°	42.5	43.8	44.9	46.0	47.0	47.9	48.8	49.5	50.1	50.7	51.1
85°	100.2	103.9	107.3	110.5	113.5	116.1	118.5	120.7	122.5	124.1	125.4
82.5°	164.1	169.9	175.3	180.4	185.0	189.3	193.1	196.4	199.4	201.9	203.9
80°	233.6	242.9	251.6	259.7	267.2	274.0	280.1	285.5	290.2	294.2	297.5
77.5°	312.9	326.5	339.3	351.1	362.0	372.0	380.9	388.9	395.8	401.7	406.5
75°	403.5	420.6	438.2	454.6	469.6	483.3	495.7	506.6	516.2	524.3	531.0
72.5°	505.1	527.1	547.9	567.6	585.8	602.4	617.4	630.7	642.2	652.1	660.2
70°	609.8	635.9	660.3	682.5	702.2	720.1	736.3	750.7	763.2	773.9	782.6
67.5°	712.6	740.4	766.4	790.5	813.3	834.3	853.3	870.2	884.9	897.4	907.7
65°	811.3	843.4	873.4	901.4	927.0	946.1	963.4	978.8	992.2	1003.7	1013.1
62.5°	912.0	943.5	970.6	995.8	1019.1	1039.6	1057.3	1073.1	1086.9	1098.7	1108.4
60°	995.8	1027.5	1055.1	1080.8	1104.5	1126.1	1142.4	1157.0	1169.7	1180.6	1189.5
57.5°	1072.5	1104.5	1133.1	1156.4	1178.1	1197.9	1215.9	1231.9	1245.9	1257.8	1267.7
55°	1142.4	1171.4	1198.6	1224.1	1247.7	1269.3	1289.1	1307.5	1323.6	1337.4	1348.7
52.5°	1202.7	1234.0	1263.5	1291.4	1318.3	1343.1	1365.5	1388.7	1409.7	1427.6	1442.4
50°	1262.1	1296.3	1329.7	1361.1	1394.3	1426.2	1455.3	1485.2	1515.3	1541.1	1562.4
47.5°	1322.2	1360.2	1401.4	1441.6	1482.4	1528.0	1569.5	1609.7	1658.3	1699.9	1734.3
45°	1384.9	1433.4	1482.7	1539.8	1593.1	1662.5	1729.1	1788.9	1862.9	1929.4	1984.4
42.5°	1455.0	1518.9	1583.8	1666.6	1751.6	1846.2	1951.9	2047.0	2160.4	2277.6	2374.8
40°	1540.9	1620.0	1722.8	1831.2	1965.2	2093.2	2278.3	2445.3	2623.7	2843.4	3025.9
37.5°	1642.3	1757.0	1899.6	2052.2	2265.6	2482.6	2777.4	3088.8	3371.1	3794.9	4147.9
35°	1768.5	1934.1	2118.6	2382.9	2691.5	3093.4	3547.0	4144.7	4676.3	5402.2	6081.2
32.5°	1934.1	2147.5	2442.3	2849.3	3309.0	4037.2	4745.6	5851.1	6868.4	8029.1	9244.0
30°	2118.6	2442.3	2902.4	3466.0	4337.2	5437.8	6782.9	8457.0	10266.7	11916.6	13495.0
27.5°	2382.9	2849.3	3466.0	4438.3	5807.0	7377.1	9748.1	12014.1	14348.8	16396.7	18185.3
25°	2691.5	3309.0	4337.2	5807.0	7693.7	10406.2	13231.8	16030.5	18641.1	20956.2	22972.2
22.5°	3093.4	4037.2	5437.8	7377.1	10406.2	13643.5	16907.5	20033.3	22934.7	25559.0	27816.1
20°	3547.0	4745.6	6782.9	9748.1	13231.8	16907.5	20505.5	23962.2	27180.5	30093.8	32573.1
17.5°	4144.7	5851.1	8457.0	12014.1	16030.5	20033.3	23962.2	27737.4	31274.7	34303.0	36893.7
15°	4676.3	6868.4	10266.7	14348.8	18641.1	22934.7	27180.5	31274.7	34896.4	37982.5	40408.5
12.5°	5402.2	8029.1	11916.6	16396.7	20956.2	25559.0	30093.8	34303.0	37982.5	40997.7	43033.2
10°	6081.2	9244.0	13495.0	18185.3	22972.2	27816.1	32573.1	36893.7	40408.5	43033.2	44903.1
7.5°	6618.2	10207.6	14751.2	19615.1	24607.3	29652.6	34471.6	38709.2	42100.2	44550.7	46194.9
5°	7006.8	10906.4	15664.7	20658.5	25805.7	31006.4	35882.1	40053.7	43231.8	45429.4	46598.0
2.5°	7242.0	11330.1	16219.7	21293.8	26537.9	31837.0	36752.5	40890.1	43944.3	45992.9	46864.3
0°	7320.8	11472.1	16405.8	21507.2	26784.2	32117.1	37046.9	41174.3	44188.0	46187.8	46958.2
-2.5°	7242.0	11330.1	16219.7	21293.8	26537.9	31837.0	36752.5	40890.1	43944.3	45992.9	46864.3
-5°	7006.8	10906.4	15664.7	20658.5	25805.7	31006.4	35882.1	40053.7	43231.8	45429.4	46598.0
-7.5°	6618.2	10207.6	14751.2	19615.1	24607.3	29652.6	34471.6	38709.2	42100.2	44550.7	46194.9
-10°	6081.2	9244.0	13495.0	18185.3	22972.2	27816.1	32573.1	36893.7	40408.5	43033.2	44903.1
-12.5°	5402.2	8029.1	11916.6	16396.7	20956.2	25559.0	30093.8	34303.0	37982.5	40997.7	43033.2
-15°	4676.3	6868.4	10266.7	14348.8	18641.1	22934.7	27180.5	31274.7	34896.4	37982.5	40408.5
-17.5°	4144.7	5851.1	8457.0	12014.1	16030.5	20033.3	23962.2	27737.4	31274.7	34303.0	36893.7
-20°	3547.0	4745.6	6782.9	9748.1	13231.8	16907.5	20505.5	23962.2	27180.5	30093.8	32573.1



REPORT NUMBER: P624787 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-55

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3093.4	4037.2	5437.8	7377.1	10406.2	13643.5	16907.5	20033.3	22934.7	25559.0	27816.1
-25°	2691.5	3309.0	4337.2	5807.0	7693.7	10406.2	13231.8	16030.5	18641.1	20956.2	22972.2
-27.5°	2382.9	2849.3	3466.0	4438.3	5807.0	7377.1	9748.1	12014.1	14348.8	16396.7	18185.3
-30°	2118.6	2442.3	2902.4	3466.0	4337.2	5437.8	6782.9	8457.0	10266.7	11916.6	13495.0
-32.5°	1934.1	2147.5	2442.3	2849.3	3309.0	4037.2	4745.6	5851.1	6868.4	8029.1	9244.0
-35°	1768.5	1934.1	2118.6	2382.9	2691.5	3093.4	3547.0	4144.7	4676.3	5402.2	6081.2
-37.5°	1642.3	1757.0	1899.6	2052.2	2265.6	2482.6	2777.4	3088.8	3371.1	3794.9	4147.9
-40°	1540.9	1620.0	1722.8	1831.2	1965.2	2093.2	2278.3	2445.3	2623.7	2843.4	3025.9
-42.5°	1455.0	1518.9	1583.8	1666.6	1751.6	1846.2	1951.9	2047.0	2160.4	2277.6	2374.8
-45°	1384.9	1433.4	1482.7	1539.8	1593.1	1662.5	1729.1	1788.9	1862.9	1929.4	1984.4
-47.5°	1322.2	1360.2	1401.4	1441.6	1482.4	1528.0	1569.5	1609.7	1658.3	1699.9	1734.3
-50°	1262.1	1296.3	1329.7	1361.1	1394.3	1426.2	1455.3	1485.2	1515.3	1541.1	1562.4
-52.5°	1202.7	1234.0	1263.5	1291.4	1318.3	1343.1	1365.5	1388.7	1409.7	1427.6	1442.4
-55°	1142.4	1171.4	1198.6	1224.1	1247.7	1269.3	1289.1	1307.5	1323.6	1337.4	1348.7
-57.5°	1072.5	1104.5	1133.1	1156.4	1178.1	1197.9	1215.9	1231.9	1245.9	1257.8	1267.7
-60°	995.8	1027.5	1055.1	1080.8	1104.5	1126.1	1142.4	1157.0	1169.7	1180.6	1189.5
-62.5°	912.0	943.5	970.6	995.8	1019.1	1039.6	1057.3	1073.1	1086.9	1098.7	1108.4
-65°	811.3	843.4	873.4	901.4	927.0	946.1	963.4	978.8	992.2	1003.7	1013.1
-67.5°	712.6	740.4	766.4	790.5	813.3	834.3	853.3	870.2	884.9	897.4	907.7
-70°	609.8	635.9	660.3	682.5	702.2	720.1	736.3	750.7	763.2	773.9	782.6
-72.5°	505.1	527.1	547.9	567.6	585.8	602.4	617.4	630.7	642.2	652.1	660.2
-75°	403.5	420.6	438.2	454.6	469.6	483.3	495.7	506.6	516.2	524.3	531.0
-77.5°	312.9	326.5	339.3	351.1	362.0	372.0	380.9	388.9	395.8	401.7	406.5
-80°	233.6	242.9	251.6	259.7	267.2	274.0	280.1	285.5	290.2	294.2	297.5
-82.5°	164.1	169.9	175.3	180.4	185.0	189.3	193.1	196.4	199.4	201.9	203.9
-85°	100.2	103.9	107.3	110.5	113.5	116.1	118.5	120.7	122.5	124.1	125.4
-87.5°	42.5	43.8	44.9	46.0	47.0	47.9	48.8	49.5	50.1	50.7	51.1
-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: P624787 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-55

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°	51.5	51.7	51.9	51.9	51.9	51.7	51.5	51.1	50.7	50.1	49.5
85°	126.4	127.1	127.6	127.7	127.6	127.1	126.4	125.4	124.1	122.5	120.7
82.5°	205.5	206.7	207.4	207.6	207.4	206.7	205.5	203.9	201.9	199.4	196.4
80°	300.1	301.9	303.0	303.4	303.0	301.9	300.1	297.5	294.2	290.2	285.5
77.5°	410.2	412.9	414.6	415.1	414.6	412.9	410.2	406.5	401.7	395.8	388.9
75°	536.2	539.9	542.2	542.9	542.2	539.9	536.2	531.0	524.3	516.2	506.6
72.5°	666.5	671.0	673.7	674.6	673.7	671.0	666.5	660.2	652.1	642.2	630.7
70°	789.5	794.4	797.3	798.3	797.3	794.4	789.5	782.6	773.9	763.2	750.7
67.5°	915.7	921.5	924.9	926.1	924.9	921.5	915.7	907.7	897.4	884.9	870.2
65°	1020.4	1025.7	1028.8	1029.9	1028.8	1025.7	1020.4	1013.1	1003.7	992.2	978.8
62.5°	1115.9	1121.4	1124.6	1125.7	1124.6	1121.4	1115.9	1108.4	1098.7	1086.9	1073.1
60°	1196.5	1201.5	1204.5	1205.5	1204.5	1201.5	1196.5	1189.5	1180.6	1169.7	1157.0
57.5°	1275.3	1280.9	1284.2	1285.3	1284.2	1280.9	1275.3	1267.7	1257.8	1245.9	1231.9
55°	1357.6	1364.0	1367.8	1369.1	1367.8	1364.0	1357.6	1348.7	1337.4	1323.6	1307.5
52.5°	1453.9	1462.2	1467.2	1468.9	1467.2	1462.2	1453.9	1442.4	1427.6	1409.7	1388.7
50°	1579.1	1591.1	1598.3	1600.7	1598.3	1591.1	1579.1	1562.4	1541.1	1515.3	1485.2
47.5°	1761.3	1780.7	1792.4	1796.3	1792.4	1780.7	1761.3	1734.3	1699.9	1658.3	1609.7
45°	2027.6	2058.7	2077.4	2083.7	2077.4	2058.7	2027.6	1984.4	1929.4	1862.9	1788.9
42.5°	2451.3	2506.4	2539.6	2550.7	2539.6	2506.4	2451.3	2374.8	2277.6	2160.4	2047.0
40°	3169.7	3273.4	3336.1	3357.0	3336.1	3273.4	3169.7	3025.9	2843.4	2623.7	2445.3
37.5°	4426.5	4627.7	4749.3	4790.0	4749.3	4627.7	4426.5	4147.9	3794.9	3371.1	3088.8
35°	6618.2	7006.8	7242.0	7320.8	7242.0	7006.8	6618.2	6081.2	5402.2	4676.3	4144.7
32.5°	10207.6	10906.4	11330.1	11472.1	11330.1	10906.4	10207.6	9244.0	8029.1	6868.4	5851.1
30°	14751.2	15664.7	16219.7	16405.8	16219.7	15664.7	14751.2	13495.0	11916.6	10266.7	8457.0
27.5°	19615.1	20658.5	21293.8	21507.2	21293.8	20658.5	19615.1	18185.3	16396.7	14348.8	12014.1
25°	24607.3	25805.7	26537.9	26784.2	26537.9	25805.7	24607.3	22972.2	20956.2	18641.1	16030.5
22.5°	29652.6	31006.4	31837.0	32117.1	31837.0	31006.4	29652.6	27816.1	25559.0	22934.7	20033.3
20°	34471.6	35882.1	36752.5	37046.9	36752.5	35882.1	34471.6	32573.1	30093.8	27180.5	23962.2
17.5°	38709.2	40053.7	40890.1	41174.3	40890.1	40053.7	38709.2	36893.7	34303.0	31274.7	27737.4
15°	42100.2	43231.8	43944.3	44188.0	43944.3	43231.8	42100.2	40408.5	37982.5	34896.4	31274.7
12.5°	44550.7	45429.4	45992.9	46187.8	45992.9	45429.4	44550.7	43033.2	40997.7	37982.5	34303.0
10°	46194.9	46598.0	46864.3	46958.2	46864.3	46598.0	46194.9	44903.1	43033.2	40408.5	36893.7
7.5°	46776.0	46877.3	46787.5	46754.7	46787.5	46877.3	46776.0	46194.9	44550.7	42100.2	38709.2
5°	46877.3	46628.7	46199.3	46028.2	46199.3	46628.7	46877.3	46598.0	45429.4	43231.8	40053.7
2.5°	46787.5	46199.3	45649.2	45381.5	45649.2	46199.3	46787.5	46864.3	45992.9	43944.3	40890.1
0°	46754.7	46028.2	45381.5	45062.2	45381.5	46028.2	46754.7	46958.2	46187.8	44188.0	41174.3
-2.5°	46787.5	46199.3	45649.2	45381.5	45649.2	46199.3	46787.5	46864.3	45992.9	43944.3	40890.1
-5°	46877.3	46628.7	46199.3	46028.2	46199.3	46628.7	46877.3	46598.0	45429.4	43231.8	40053.7
-7.5°	46776.0	46877.3	46787.5	46754.7	46787.5	46877.3	46776.0	46194.9	44550.7	42100.2	38709.2
-10°	46194.9	46598.0	46864.3	46958.2	46864.3	46598.0	46194.9	44903.1	43033.2	40408.5	36893.7
-12.5°	44550.7	45429.4	45992.9	46187.8	45992.9	45429.4	44550.7	43033.2	40997.7	37982.5	34303.0
-15°	42100.2	43231.8	43944.3	44188.0	43944.3	43231.8	42100.2	40408.5	37982.5	34896.4	31274.7
-17.5°	38709.2	40053.7	40890.1	41174.3	40890.1	40053.7	38709.2	36893.7	34303.0	31274.7	27737.4
-20°	34471.6	35882.1	36752.5	37046.9	36752.5	35882.1	34471.6	32573.1	30093.8	27180.5	23962.2



REPORT NUMBER: P624787 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-55

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	29652.6	31006.4	31837.0	32117.1	31837.0	31006.4	29652.6	27816.1	25559.0	22934.7	20033.3
-25°	24607.3	25805.7	26537.9	26784.2	26537.9	25805.7	24607.3	22972.2	20956.2	18641.1	16030.5
-27.5°	19615.1	20658.5	21293.8	21507.2	21293.8	20658.5	19615.1	18185.3	16396.7	14348.8	12014.1
-30°	14751.2	15664.7	16219.7	16405.8	16219.7	15664.7	14751.2	13495.0	11916.6	10266.7	8457.0
-32.5°	10207.6	10906.4	11330.1	11472.1	11330.1	10906.4	10207.6	9244.0	8029.1	6868.4	5851.1
-35°	6618.2	7006.8	7242.0	7320.8	7242.0	7006.8	6618.2	6081.2	5402.2	4676.3	4144.7
-37.5°	4426.5	4627.7	4749.3	4790.0	4749.3	4627.7	4426.5	4147.9	3794.9	3371.1	3088.8
-40°	3169.7	3273.4	3336.1	3357.0	3336.1	3273.4	3169.7	3025.9	2843.4	2623.7	2445.3
-42.5°	2451.3	2506.4	2539.6	2550.7	2539.6	2506.4	2451.3	2374.8	2277.6	2160.4	2047.0
-45°	2027.6	2058.7	2077.4	2083.7	2077.4	2058.7	2027.6	1984.4	1929.4	1862.9	1788.9
-47.5°	1761.3	1780.7	1792.4	1796.3	1792.4	1780.7	1761.3	1734.3	1699.9	1658.3	1609.7
-50°	1579.1	1591.1	1598.3	1600.7	1598.3	1591.1	1579.1	1562.4	1541.1	1515.3	1485.2
-52.5°	1453.9	1462.2	1467.2	1468.9	1467.2	1462.2	1453.9	1442.4	1427.6	1409.7	1388.7
-55°	1357.6	1364.0	1367.8	1369.1	1367.8	1364.0	1357.6	1348.7	1337.4	1323.6	1307.5
-57.5°	1275.3	1280.9	1284.2	1285.3	1284.2	1280.9	1275.3	1267.7	1257.8	1245.9	1231.9
-60°	1196.5	1201.5	1204.5	1205.5	1204.5	1201.5	1196.5	1189.5	1180.6	1169.7	1157.0
-62.5°	1115.9	1121.4	1124.6	1125.7	1124.6	1121.4	1115.9	1108.4	1098.7	1086.9	1073.1
-65°	1020.4	1025.7	1028.8	1029.9	1028.8	1025.7	1020.4	1013.1	1003.7	992.2	978.8
-67.5°	915.7	921.5	924.9	926.1	924.9	921.5	915.7	907.7	897.4	884.9	870.2
-70°	789.5	794.4	797.3	798.3	797.3	794.4	789.5	782.6	773.9	763.2	750.7
-72.5°	666.5	671.0	673.7	674.6	673.7	671.0	666.5	660.2	652.1	642.2	630.7
-75°	536.2	539.9	542.2	542.9	542.2	539.9	536.2	531.0	524.3	516.2	506.6
-77.5°	410.2	412.9	414.6	415.1	414.6	412.9	410.2	406.5	401.7	395.8	388.9
-80°	300.1	301.9	303.0	303.4	303.0	301.9	300.1	297.5	294.2	290.2	285.5
-82.5°	205.5	206.7	207.4	207.6	207.4	206.7	205.5	203.9	201.9	199.4	196.4
-85°	126.4	127.1	127.6	127.7	127.6	127.1	126.4	125.4	124.1	122.5	120.7
-87.5°	51.5	51.7	51.9	51.9	51.9	51.7	51.5	51.1	50.7	50.1	49.5
-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: P624787 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-55

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°	48.8	47.9	47.0	46.0	44.9	43.8	42.5	41.2	39.8	38.3	36.7
85°	118.5	116.1	113.5	110.5	107.3	103.9	100.2	96.3	92.2	87.8	83.2
82.5°	193.1	189.3	185.0	180.4	175.3	169.9	164.1	157.9	151.3	144.4	137.2
80°	280.1	274.0	267.2	259.7	251.6	242.9	233.6	223.6	213.1	203.0	193.3
77.5°	380.9	372.0	362.0	351.1	339.3	326.5	312.9	299.1	285.9	272.1	257.5
75°	495.7	483.3	469.6	454.6	438.2	420.6	403.5	386.0	367.5	348.1	327.8
72.5°	617.4	602.4	585.8	567.6	547.9	527.1	505.1	481.7	456.9	430.9	405.1
70°	736.3	720.1	702.2	682.5	660.3	635.9	609.8	582.1	552.9	522.7	491.5
67.5°	853.3	834.3	813.3	790.5	766.4	740.4	712.6	683.2	650.7	616.0	579.8
65°	963.4	946.1	927.0	901.4	873.4	843.4	811.3	778.0	743.4	707.0	668.7
62.5°	1057.3	1039.6	1019.1	995.8	970.6	943.5	912.0	874.4	834.9	793.5	751.6
60°	1142.4	1126.1	1104.5	1080.8	1055.1	1027.5	995.8	962.2	927.0	881.7	834.3
57.5°	1215.9	1197.9	1178.1	1156.4	1133.1	1104.5	1072.5	1038.8	1001.0	960.9	917.4
55°	1289.1	1269.3	1247.7	1224.1	1198.6	1171.4	1142.4	1109.1	1070.7	1030.5	985.4
52.5°	1365.5	1343.1	1318.3	1291.4	1263.5	1234.0	1202.7	1169.7	1135.2	1093.8	1048.9
50°	1455.3	1426.2	1394.3	1361.1	1329.7	1296.3	1262.1	1226.6	1189.5	1150.9	1107.8
47.5°	1569.5	1528.0	1482.4	1441.6	1401.4	1360.2	1322.2	1282.4	1242.7	1201.5	1158.8
45°	1729.1	1662.5	1593.1	1539.8	1482.7	1433.4	1384.9	1339.7	1295.3	1250.9	1205.5
42.5°	1951.9	1846.2	1751.6	1666.6	1583.8	1518.9	1455.0	1400.9	1348.6	1299.6	1250.9
40°	2278.3	2093.2	1965.2	1831.2	1722.8	1620.0	1540.9	1466.0	1406.3	1348.6	1295.3
37.5°	2777.4	2482.6	2265.6	2052.2	1899.6	1757.0	1642.3	1548.3	1466.0	1400.9	1339.7
35°	3547.0	3093.4	2691.5	2382.9	2118.6	1934.1	1768.5	1642.3	1540.9	1455.0	1384.9
32.5°	4745.6	4037.2	3309.0	2849.3	2442.3	2147.5	1934.1	1757.0	1620.0	1518.9	1433.4
30°	6782.9	5437.8	4337.2	3466.0	2902.4	2442.3	2118.6	1899.6	1722.8	1583.8	1482.7
27.5°	9748.1	7377.1	5807.0	4438.3	3466.0	2849.3	2382.9	2052.2	1831.2	1666.6	1539.8
25°	13231.8	10406.2	7693.7	5807.0	4337.2	3309.0	2691.5	2265.6	1965.2	1751.6	1593.1
22.5°	16907.5	13643.5	10406.2	7377.1	5437.8	4037.2	3093.4	2482.6	2093.2	1846.2	1662.5
20°	20505.5	16907.5	13231.8	9748.1	6782.9	4745.6	3547.0	2777.4	2278.3	1951.9	1729.1
17.5°	23962.2	20033.3	16030.5	12014.1	8457.0	5851.1	4144.7	3088.8	2445.3	2047.0	1788.9
15°	27180.5	22934.7	18641.1	14348.8	10266.7	6868.4	4676.3	3371.1	2623.7	2160.4	1862.9
12.5°	30093.8	25559.0	20956.2	16396.7	11916.6	8029.1	5402.2	3794.9	2843.4	2277.6	1929.4
10°	32573.1	27816.1	22972.2	18185.3	13495.0	9244.0	6081.2	4147.9	3025.9	2374.8	1984.4
7.5°	34471.6	29652.6	24607.3	19615.1	14751.2	10207.6	6618.2	4426.5	3169.7	2451.3	2027.6
5°	35882.1	31006.4	25805.7	20658.5	15664.7	10906.4	7006.8	4627.7	3273.4	2506.4	2058.7
2.5°	36752.5	31837.0	26537.9	21293.8	16219.7	11330.1	7242.0	4749.3	3336.1	2539.6	2077.4
0°	37046.9	32117.1	26784.2	21507.2	16405.8	11472.1	7320.8	4790.0	3357.0	2550.7	2083.7
-2.5°	36752.5	31837.0	26537.9	21293.8	16219.7	11330.1	7242.0	4749.3	3336.1	2539.6	2077.4
-5°	35882.1	31006.4	25805.7	20658.5	15664.7	10906.4	7006.8	4627.7	3273.4	2506.4	2058.7
-7.5°	34471.6	29652.6	24607.3	19615.1	14751.2	10207.6	6618.2	4426.5	3169.7	2451.3	2027.6
-10°	32573.1	27816.1	22972.2	18185.3	13495.0	9244.0	6081.2	4147.9	3025.9	2374.8	1984.4
-12.5°	30093.8	25559.0	20956.2	16396.7	11916.6	8029.1	5402.2	3794.9	2843.4	2277.6	1929.4
-15°	27180.5	22934.7	18641.1	14348.8	10266.7	6868.4	4676.3	3371.1	2623.7	2160.4	1862.9
-17.5°	23962.2	20033.3	16030.5	12014.1	8457.0	5851.1	4144.7	3088.8	2445.3	2047.0	1788.9
-20°	20505.5	16907.5	13231.8	9748.1	6782.9	4745.6	3547.0	2777.4	2278.3	1951.9	1729.1



REPORT NUMBER: P624787 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-55

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16907.5	13643.5	10406.2	7377.1	5437.8	4037.2	3093.4	2482.6	2093.2	1846.2	1662.5
-25°	13231.8	10406.2	7693.7	5807.0	4337.2	3309.0	2691.5	2265.6	1965.2	1751.6	1593.1
-27.5°	9748.1	7377.1	5807.0	4438.3	3466.0	2849.3	2382.9	2052.2	1831.2	1666.6	1539.8
-30°	6782.9	5437.8	4337.2	3466.0	2902.4	2442.3	2118.6	1899.6	1722.8	1583.8	1482.7
-32.5°	4745.6	4037.2	3309.0	2849.3	2442.3	2147.5	1934.1	1757.0	1620.0	1518.9	1433.4
-35°	3547.0	3093.4	2691.5	2382.9	2118.6	1934.1	1768.5	1642.3	1540.9	1455.0	1384.9
-37.5°	2777.4	2482.6	2265.6	2052.2	1899.6	1757.0	1642.3	1548.3	1466.0	1400.9	1339.7
-40°	2278.3	2093.2	1965.2	1831.2	1722.8	1620.0	1540.9	1466.0	1406.3	1348.6	1295.3
-42.5°	1951.9	1846.2	1751.6	1666.6	1583.8	1518.9	1455.0	1400.9	1348.6	1299.6	1250.9
-45°	1729.1	1662.5	1593.1	1539.8	1482.7	1433.4	1384.9	1339.7	1295.3	1250.9	1205.5
-47.5°	1569.5	1528.0	1482.4	1441.6	1401.4	1360.2	1322.2	1282.4	1242.7	1201.5	1158.8
-50°	1455.3	1426.2	1394.3	1361.1	1329.7	1296.3	1262.1	1226.6	1189.5	1150.9	1107.8
-52.5°	1365.5	1343.1	1318.3	1291.4	1263.5	1234.0	1202.7	1169.7	1135.2	1093.8	1048.9
-55°	1289.1	1269.3	1247.7	1224.1	1198.6	1171.4	1142.4	1109.1	1070.7	1030.5	985.4
-57.5°	1215.9	1197.9	1178.1	1156.4	1133.1	1104.5	1072.5	1038.8	1001.0	960.9	917.4
-60°	1142.4	1126.1	1104.5	1080.8	1055.1	1027.5	995.8	962.2	927.0	881.7	834.3
-62.5°	1057.3	1039.6	1019.1	995.8	970.6	943.5	912.0	874.4	834.9	793.5	751.6
-65°	963.4	946.1	927.0	901.4	873.4	843.4	811.3	778.0	743.4	707.0	668.7
-67.5°	853.3	834.3	813.3	790.5	766.4	740.4	712.6	683.2	650.7	616.0	579.8
-70°	736.3	720.1	702.2	682.5	660.3	635.9	609.8	582.1	552.9	522.7	491.5
-72.5°	617.4	602.4	585.8	567.6	547.9	527.1	505.1	481.7	456.9	430.9	405.1
-75°	495.7	483.3	469.6	454.6	438.2	420.6	403.5	386.0	367.5	348.1	327.8
-77.5°	380.9	372.0	362.0	351.1	339.3	326.5	312.9	299.1	285.9	272.1	257.5
-80°	280.1	274.0	267.2	259.7	251.6	242.9	233.6	223.6	213.1	203.0	193.3
-82.5°	193.1	189.3	185.0	180.4	175.3	169.9	164.1	157.9	151.3	144.4	137.2
-85°	118.5	116.1	113.5	110.5	107.3	103.9	100.2	96.3	92.2	87.8	83.2
-87.5°	48.8	47.9	47.0	46.0	44.9	43.8	42.5	41.2	39.8	38.3	36.7
-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: P624787 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-55

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°	35.1	33.4	31.6	29.8	27.9	25.9	24.0	21.9	19.9	17.7	15.6
85°	78.4	73.5	68.3	63.0	57.5	51.9	47.9	43.8	39.7	35.5	31.2
82.5°	129.6	122.0	114.3	106.3	98.0	89.6	80.9	72.0	62.9	53.7	46.7
80°	183.2	172.7	161.8	150.6	139.0	127.1	115.5	103.7	91.6	79.3	66.9
77.5°	242.4	226.7	210.3	195.8	181.3	166.5	151.2	135.6	120.2	104.8	89.2
75°	306.5	287.2	267.6	247.3	226.5	205.5	187.3	168.6	149.6	130.2	111.4
72.5°	380.3	354.6	327.9	300.8	276.5	251.6	226.0	201.2	179.1	156.6	133.7
70°	459.1	425.3	393.5	362.1	329.7	297.5	268.4	238.7	208.4	182.6	156.6
67.5°	542.0	504.0	464.8	424.3	386.8	349.5	311.3	276.9	242.9	208.4	179.1
65°	626.6	583.1	538.2	493.2	447.0	401.7	359.4	316.3	276.9	238.7	201.2
62.5°	708.1	662.3	612.7	561.8	510.4	458.5	406.6	359.4	311.3	268.4	226.0
60°	785.6	736.3	685.5	630.7	573.7	516.2	458.5	401.7	349.5	297.5	251.6
57.5°	863.9	808.7	753.4	696.9	636.6	573.7	510.4	447.0	386.8	329.7	276.5
55°	938.5	881.9	820.6	759.1	696.9	630.7	561.8	493.2	424.3	362.1	300.8
52.5°	1000.2	948.3	887.9	820.6	753.4	685.5	612.7	538.2	464.8	393.5	327.9
50°	1058.2	1005.2	948.3	881.9	808.7	736.3	662.3	583.1	504.0	425.3	354.6
47.5°	1112.5	1058.2	1000.2	938.5	863.9	785.6	708.1	626.6	542.0	459.1	380.3
45°	1158.8	1107.8	1048.9	985.4	917.4	834.3	751.6	668.7	579.8	491.5	405.1
42.5°	1201.5	1150.9	1093.8	1030.5	960.9	881.7	793.5	707.0	616.0	522.7	430.9
40°	1242.7	1189.5	1135.2	1070.7	1001.0	927.0	834.9	743.4	650.7	552.9	456.9
37.5°	1282.4	1226.6	1169.7	1109.1	1038.8	962.2	874.4	778.0	683.2	582.1	481.7
35°	1322.2	1262.1	1202.7	1142.4	1072.5	995.8	912.0	811.3	712.6	609.8	505.1
32.5°	1360.2	1296.3	1234.0	1171.4	1104.5	1027.5	943.5	843.4	740.4	635.9	527.1
30°	1401.4	1329.7	1263.5	1198.6	1133.1	1055.1	970.6	873.4	766.4	660.3	547.9
27.5°	1441.6	1361.1	1291.4	1224.1	1156.4	1080.8	995.8	901.4	790.5	682.5	567.6
25°	1482.4	1394.3	1318.3	1247.7	1178.1	1104.5	1019.1	927.0	813.3	702.2	585.8
22.5°	1528.0	1426.2	1343.1	1269.3	1197.9	1126.1	1039.6	946.1	834.3	720.1	602.4
20°	1569.5	1455.3	1365.5	1289.1	1215.9	1142.4	1057.3	963.4	853.3	736.3	617.4
17.5°	1609.7	1485.2	1388.7	1307.5	1231.9	1157.0	1073.1	978.8	870.2	750.7	630.7
15°	1658.3	1515.3	1409.7	1323.6	1245.9	1169.7	1086.9	992.2	884.9	763.2	642.2
12.5°	1699.9	1541.1	1427.6	1337.4	1257.8	1180.6	1098.7	1003.7	897.4	773.9	652.1
10°	1734.3	1562.4	1442.4	1348.7	1267.7	1189.5	1108.4	1013.1	907.7	782.6	660.2
7.5°	1761.3	1579.1	1453.9	1357.6	1275.3	1196.5	1115.9	1020.4	915.7	789.5	666.5
5°	1780.7	1591.1	1462.2	1364.0	1280.9	1201.5	1121.4	1025.7	921.5	794.4	671.0
2.5°	1792.4	1598.3	1467.2	1367.8	1284.2	1204.5	1124.6	1028.8	924.9	797.3	673.7
0°	1796.3	1600.7	1468.9	1369.1	1285.3	1205.5	1125.7	1029.9	926.1	798.3	674.6
-2.5°	1792.4	1598.3	1467.2	1367.8	1284.2	1204.5	1124.6	1028.8	924.9	797.3	673.7
-5°	1780.7	1591.1	1462.2	1364.0	1280.9	1201.5	1121.4	1025.7	921.5	794.4	671.0
-7.5°	1761.3	1579.1	1453.9	1357.6	1275.3	1196.5	1115.9	1020.4	915.7	789.5	666.5
-10°	1734.3	1562.4	1442.4	1348.7	1267.7	1189.5	1108.4	1013.1	907.7	782.6	660.2
-12.5°	1699.9	1541.1	1427.6	1337.4	1257.8	1180.6	1098.7	1003.7	897.4	773.9	652.1
-15°	1658.3	1515.3	1409.7	1323.6	1245.9	1169.7	1086.9	992.2	884.9	763.2	642.2
-17.5°	1609.7	1485.2	1388.7	1307.5	1231.9	1157.0	1073.1	978.8	870.2	750.7	630.7
-20°	1569.5	1455.3	1365.5	1289.1	1215.9	1142.4	1057.3	963.4	853.3	736.3	617.4



REPORT NUMBER: P624787 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-55

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1528.0	1426.2	1343.1	1269.3	1197.9	1126.1	1039.6	946.1	834.3	720.1	602.4
-25°	1482.4	1394.3	1318.3	1247.7	1178.1	1104.5	1019.1	927.0	813.3	702.2	585.8
-27.5°	1441.6	1361.1	1291.4	1224.1	1156.4	1080.8	995.8	901.4	790.5	682.5	567.6
-30°	1401.4	1329.7	1263.5	1198.6	1133.1	1055.1	970.6	873.4	766.4	660.3	547.9
-32.5°	1360.2	1296.3	1234.0	1171.4	1104.5	1027.5	943.5	843.4	740.4	635.9	527.1
-35°	1322.2	1262.1	1202.7	1142.4	1072.5	995.8	912.0	811.3	712.6	609.8	505.1
-37.5°	1282.4	1226.6	1169.7	1109.1	1038.8	962.2	874.4	778.0	683.2	582.1	481.7
-40°	1242.7	1189.5	1135.2	1070.7	1001.0	927.0	834.9	743.4	650.7	552.9	456.9
-42.5°	1201.5	1150.9	1093.8	1030.5	960.9	881.7	793.5	707.0	616.0	522.7	430.9
-45°	1158.8	1107.8	1048.9	985.4	917.4	834.3	751.6	668.7	579.8	491.5	405.1
-47.5°	1112.5	1058.2	1000.2	938.5	863.9	785.6	708.1	626.6	542.0	459.1	380.3
-50°	1058.2	1005.2	948.3	881.9	808.7	736.3	662.3	583.1	504.0	425.3	354.6
-52.5°	1000.2	948.3	887.9	820.6	753.4	685.5	612.7	538.2	464.8	393.5	327.9
-55°	938.5	881.9	820.6	759.1	696.9	630.7	561.8	493.2	424.3	362.1	300.8
-57.5°	863.9	808.7	753.4	696.9	636.6	573.7	510.4	447.0	386.8	329.7	276.5
-60°	785.6	736.3	685.5	630.7	573.7	516.2	458.5	401.7	349.5	297.5	251.6
-62.5°	708.1	662.3	612.7	561.8	510.4	458.5	406.6	359.4	311.3	268.4	226.0
-65°	626.6	583.1	538.2	493.2	447.0	401.7	359.4	316.3	276.9	238.7	201.2
-67.5°	542.0	504.0	464.8	424.3	386.8	349.5	311.3	276.9	242.9	208.4	179.1
-70°	459.1	425.3	393.5	362.1	329.7	297.5	268.4	238.7	208.4	182.6	156.6
-72.5°	380.3	354.6	327.9	300.8	276.5	251.6	226.0	201.2	179.1	156.6	133.7
-75°	306.5	287.2	267.6	247.3	226.5	205.5	187.3	168.6	149.6	130.2	111.4
-77.5°	242.4	226.7	210.3	195.8	181.3	166.5	151.2	135.6	120.2	104.8	89.2
-80°	183.2	172.7	161.8	150.6	139.0	127.1	115.5	103.7	91.6	79.3	66.9
-82.5°	129.6	122.0	114.3	106.3	98.0	89.6	80.9	72.0	62.9	53.7	46.7
-85°	78.4	73.5	68.3	63.0	57.5	51.9	47.9	43.8	39.7	35.5	31.2
-87.5°	35.1	33.4	31.6	29.8	27.9	25.9	24.0	21.9	19.9	17.7	15.6
-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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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P624787 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-55

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°	13.4	11.2	9.0	6.8	4.5	2.3	0.0
85°	26.8	22.4	18.0	13.5	9.0	4.5	0.0
82.5°	40.2	33.6	27.0	20.3	13.5	6.8	0.0
80°	54.2	44.7	35.9	27.0	18.0	9.0	0.0
77.5°	73.5	57.5	44.7	33.6	22.4	11.2	0.0
75°	92.6	73.5	54.2	40.2	26.8	13.4	0.0
72.5°	111.4	89.2	66.9	46.7	31.2	15.6	0.0
70°	130.2	104.8	79.3	53.7	35.5	17.7	0.0
67.5°	149.6	120.2	91.6	62.9	39.7	19.9	0.0
65°	168.6	135.6	103.7	72.0	43.8	21.9	0.0
62.5°	187.3	151.2	115.5	80.9	47.9	24.0	0.0
60°	205.5	166.5	127.1	89.6	51.9	25.9	0.0
57.5°	226.5	181.3	139.0	98.0	57.5	27.9	0.0
55°	247.3	195.8	150.6	106.3	63.0	29.8	0.0
52.5°	267.6	210.3	161.8	114.3	68.3	31.6	0.0
50°	287.2	226.7	172.7	122.0	73.5	33.4	0.0
47.5°	306.5	242.4	183.2	129.6	78.4	35.1	0.0
45°	327.8	257.5	193.3	137.2	83.2	36.7	0.0
42.5°	348.1	272.1	203.0	144.4	87.8	38.3	0.0
40°	367.5	285.9	213.1	151.3	92.2	39.8	0.0
37.5°	386.0	299.1	223.6	157.9	96.3	41.2	0.0
35°	403.5	312.9	233.6	164.1	100.2	42.5	0.0
32.5°	420.6	326.5	242.9	169.9	103.9	43.8	0.0
30°	438.2	339.3	251.6	175.3	107.3	44.9	0.0
27.5°	454.6	351.1	259.7	180.4	110.5	46.0	0.0
25°	469.6	362.0	267.2	185.0	113.5	47.0	0.0
22.5°	483.3	372.0	274.0	189.3	116.1	47.9	0.0
20°	495.7	380.9	280.1	193.1	118.5	48.8	0.0
17.5°	506.6	388.9	285.5	196.4	120.7	49.5	0.0
15°	516.2	395.8	290.2	199.4	122.5	50.1	0.0
12.5°	524.3	401.7	294.2	201.9	124.1	50.7	0.0
10°	531.0	406.5	297.5	203.9	125.4	51.1	0.0
7.5°	536.2	410.2	300.1	205.5	126.4	51.5	0.0
5°	539.9	412.9	301.9	206.7	127.1	51.7	0.0
2.5°	542.2	414.6	303.0	207.4	127.6	51.9	0.0
0°	542.9	415.1	303.4	207.6	127.7	51.9	0.0
-2.5°	542.2	414.6	303.0	207.4	127.6	51.9	0.0
-5°	539.9	412.9	301.9	206.7	127.1	51.7	0.0
-7.5°	536.2	410.2	300.1	205.5	126.4	51.5	0.0
-10°	531.0	406.5	297.5	203.9	125.4	51.1	0.0
-12.5°	524.3	401.7	294.2	201.9	124.1	50.7	0.0
-15°	516.2	395.8	290.2	199.4	122.5	50.1	0.0
-17.5°	506.6	388.9	285.5	196.4	120.7	49.5	0.0
-20°	495.7	380.9	280.1	193.1	118.5	48.8	0.0

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Scaled Data Report



REPORT NUMBER: P624787 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-55

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	483.3	372.0	274.0	189.3	116.1	47.9	0.0
-25°	469.6	362.0	267.2	185.0	113.5	47.0	0.0
-27.5°	454.6	351.1	259.7	180.4	110.5	46.0	0.0
-30°	438.2	339.3	251.6	175.3	107.3	44.9	0.0
-32.5°	420.6	326.5	242.9	169.9	103.9	43.8	0.0
-35°	403.5	312.9	233.6	164.1	100.2	42.5	0.0
-37.5°	386.0	299.1	223.6	157.9	96.3	41.2	0.0
-40°	367.5	285.9	213.1	151.3	92.2	39.8	0.0
-42.5°	348.1	272.1	203.0	144.4	87.8	38.3	0.0
-45°	327.8	257.5	193.3	137.2	83.2	36.7	0.0
-47.5°	306.5	242.4	183.2	129.6	78.4	35.1	0.0
-50°	287.2	226.7	172.7	122.0	73.5	33.4	0.0
-52.5°	267.6	210.3	161.8	114.3	68.3	31.6	0.0
-55°	247.3	195.8	150.6	106.3	63.0	29.8	0.0
-57.5°	226.5	181.3	139.0	98.0	57.5	27.9	0.0
-60°	205.5	166.5	127.1	89.6	51.9	25.9	0.0
-62.5°	187.3	151.2	115.5	80.9	47.9	24.0	0.0
-65°	168.6	135.6	103.7	72.0	43.8	21.9	0.0
-67.5°	149.6	120.2	91.6	62.9	39.7	19.9	0.0
-70°	130.2	104.8	79.3	53.7	35.5	17.7	0.0
-72.5°	111.4	89.2	66.9	46.7	31.2	15.6	0.0
-75°	92.6	73.5	54.2	40.2	26.8	13.4	0.0
-77.5°	73.5	57.5	44.7	33.6	22.4	11.2	0.0
-80°	54.2	44.7	35.9	27.0	18.0	9.0	0.0
-82.5°	40.2	33.6	27.0	20.3	13.5	6.8	0.0
-85°	26.8	22.4	18.0	13.5	9.0	4.5	0.0
-87.5°	13.4	11.2	9.0	6.8	4.5	2.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)