

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: P731264 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-1S-HEG**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731264 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-61)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-80-1S-HEG
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

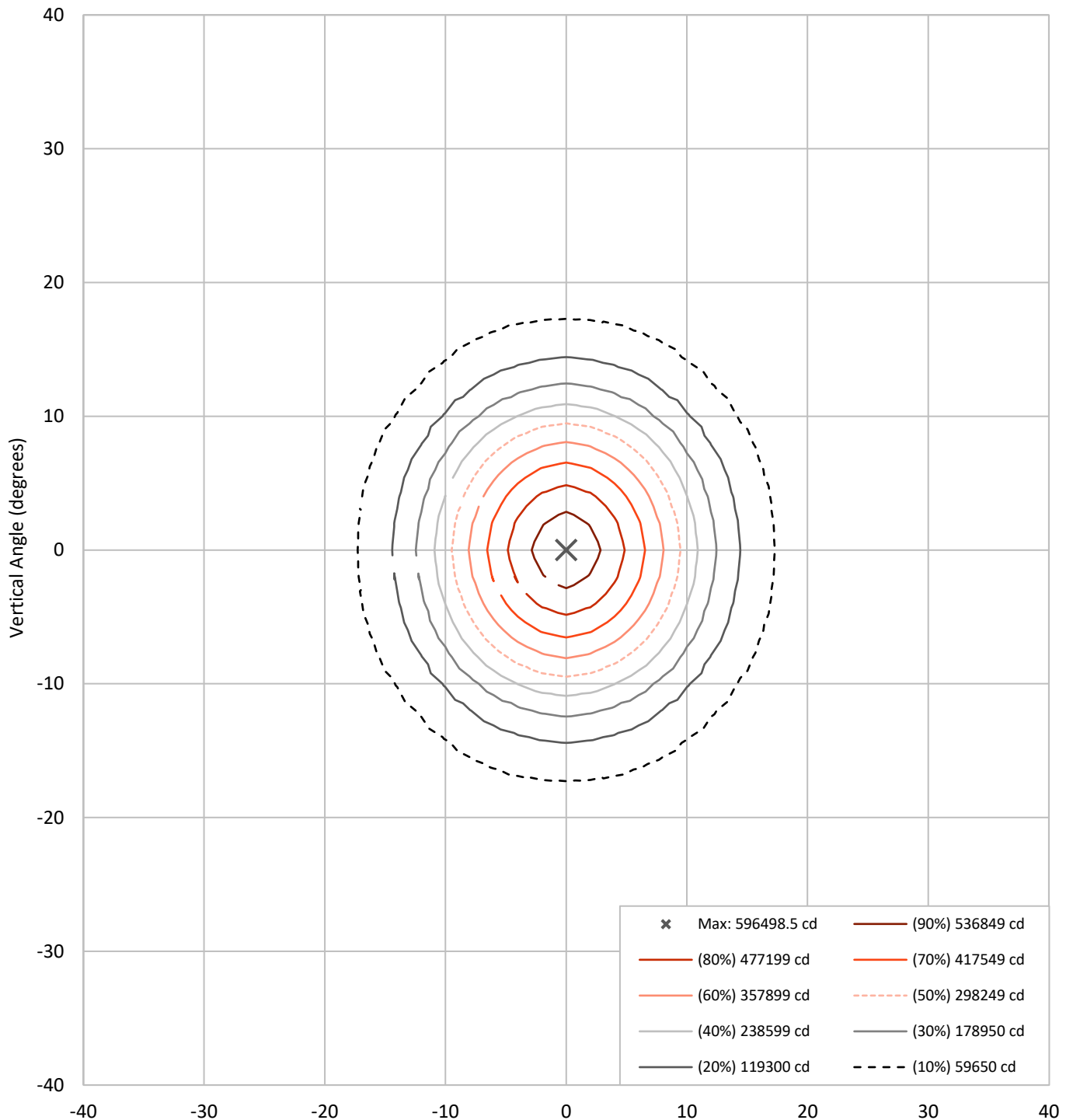
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	80805 lumens	Max Intensity:	596498.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	140.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	19°H x 19°V	Field Angle (10%):	34.3°H x 34.3°V
Beam Lumens:	34828 lumens	Field Lumens:	64160.8 lumens
Beam Efficiency:	43.1%	Field Efficiency:	79.4%

Input Watts (W): 577.1
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





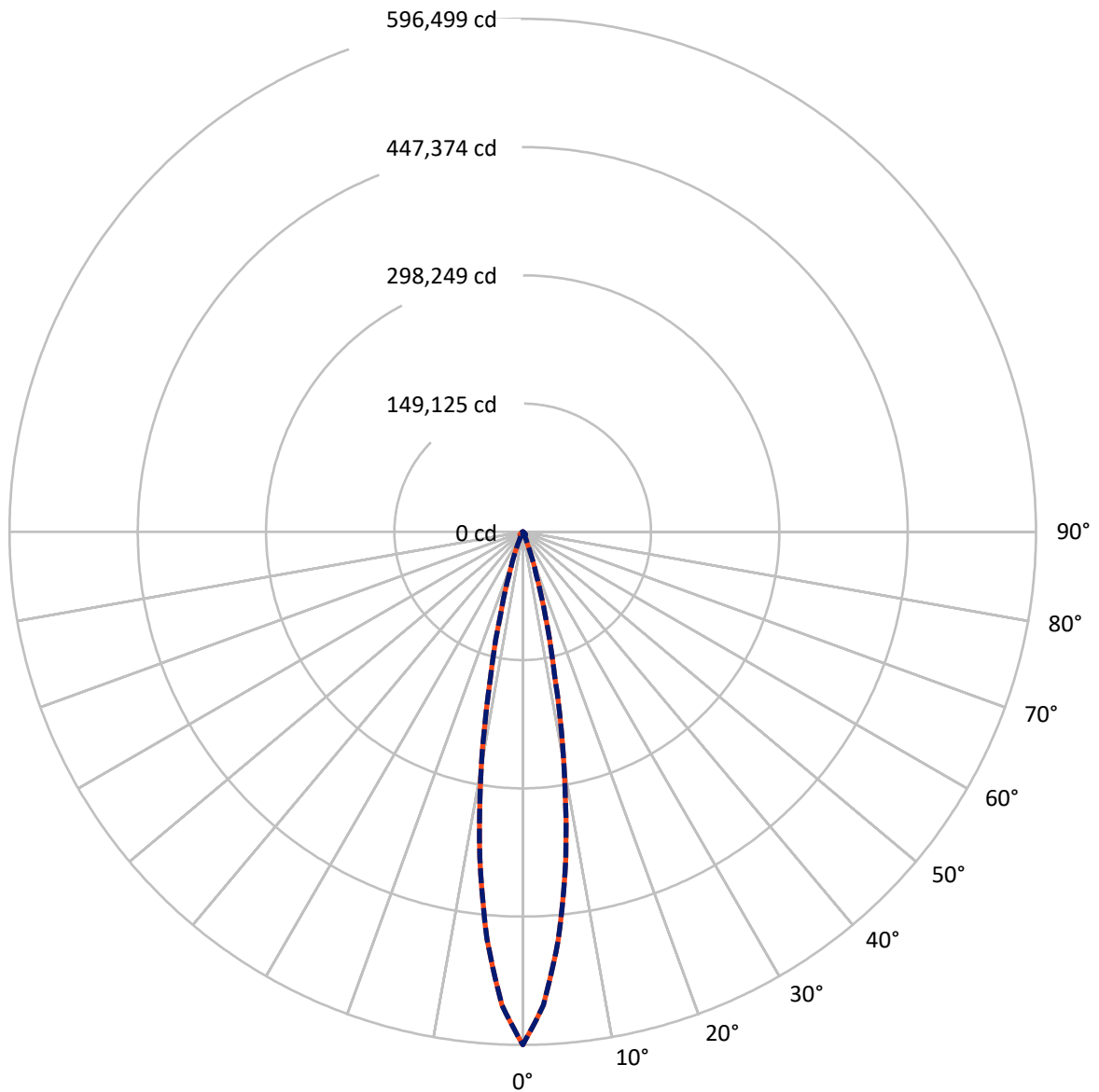
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Lumen Table

90	0.1	0.8	2.8	7.0	9.2	7.0	2.8	0.8	0.1							
80	0.1	0.8	2.8	7.0	9.2	7.0	2.8	0.8	0.1							
70	0.4	0.4	1.7	5.0	10.2	15.8	20.4	23.0	23.0	20.4	15.8	10.2	5.0	1.7	0.4	0.4
60		1.3	5.9	14.6	25.2	34.0	39.8	42.9	42.9	39.8	34.0	25.2	14.6	5.9	1.3	
50	0.9	3.1	12.0	25.0	36.4	61.7	97.2	116.8	116.8	97.2	61.7	36.4	25.0	12.0	3.1	0.9
40		5.4	17.8	31.5	74.6	127.6	140.9	141.2	141.2	140.9	127.6	74.6	31.5	17.8	5.4	
30	2.0	7.6	21.7	48.7	115.4	127.8	140.4	243.5	243.5	140.4	127.8	115.4	48.7	21.7	7.6	2.0
20		9.2	23.8	72.2	119.5	132.0	771.6	2881.4	2881.4	771.6	132.0	119.5	72.2	23.8	9.2	
10	2.6	10.0	24.9	83.9	115.9	224.0	2811.6	11064.7	11064.7	2811.6	224.0	115.9	83.9	24.9	10.0	2.6
0		10.0	24.9	83.9	115.9	224.0	2811.6	11064.7	11064.7	2811.6	224.0	115.9	83.9	24.9	10.0	
-10	2.0	9.2	23.8	72.2	119.5	132.0	771.6	2881.4	2881.4	771.6	132.0	119.5	72.2	23.8	9.2	2.0
-20		7.6	21.7	48.7	115.4	127.8	140.4	243.5	243.5	140.4	127.8	115.4	48.7	21.7	7.6	
-30	0.9	5.4	17.8	31.5	74.6	127.6	140.9	141.2	141.2	140.9	127.6	74.6	31.5	17.8	5.4	0.9
-40		3.1	12.0	25.0	36.4	61.7	97.2	116.8	116.8	97.2	61.7	36.4	25.0	12.0	3.1	
-50	0.4	1.3	5.9	14.6	25.2	34.0	39.8	42.9	42.9	39.8	34.0	25.2	14.6	5.9	1.3	0.4
-60		0.4	1.7	5.0	10.2	15.8	20.4	23.0	23.0	20.4	15.8	10.2	5.0	1.7	0.4	
-70	0.1	0.8	2.8	7.0	9.2	7.0	2.8	0.8	0.1							
-80		0.1	0.8	2.8	7.0	9.2	7.0	2.8	0.8	0.1						
-90	0.1	0.8	2.8	7.0	9.2	7.0	2.8	0.8	0.1							

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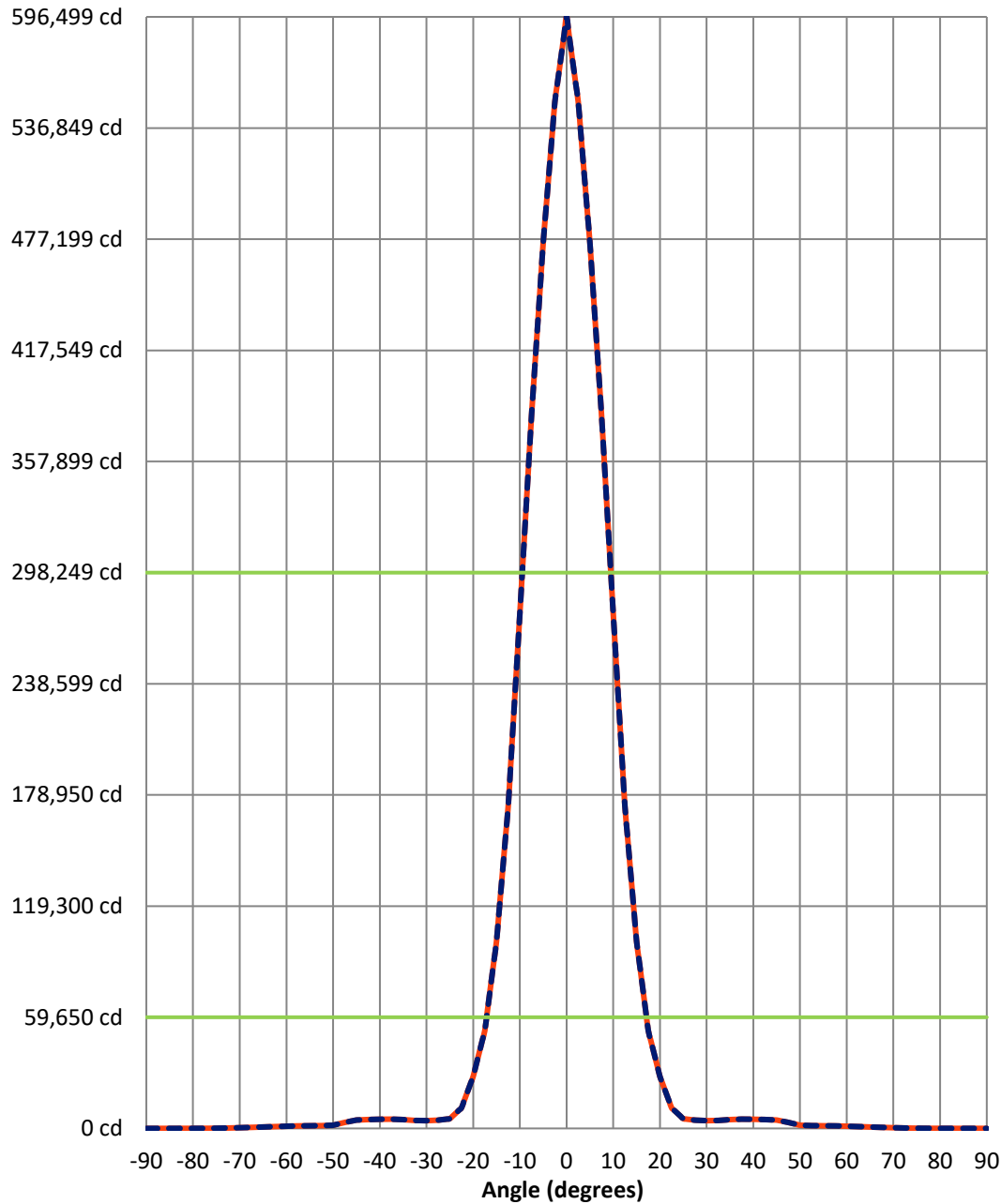
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 19°
 V Angle: 19°
 Lumens: 34828
 Efficiency: 43.1%

Field:
 H Angle: 34.3°
 V Angle: 34.3°
 Lumens: 64160.8
 Efficiency: 79.4%

Spill:
 Lumens: 16644.3
 Efficiency: 20.6%

— 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	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
85°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.4	4.8
82.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.1	5.8	6.3	6.8
80°	0.0	1.0	2.0	3.0	3.9	4.9	5.8	6.5	7.3	8.0	8.6
77.5°	0.0	1.2	2.5	3.7	4.9	6.0	6.9	7.8	8.7	9.6	10.9
75°	0.0	1.5	2.9	4.4	5.8	6.9	8.0	9.1	10.3	12.4	14.4
72.5°	0.0	1.7	3.4	5.1	6.5	7.8	9.1	10.6	13.1	15.5	17.9
70°	0.0	1.9	3.9	5.8	7.3	8.7	10.3	13.1	15.9	18.7	21.8
67.5°	0.0	2.2	4.4	6.3	8.0	9.6	12.4	15.5	18.7	22.3	25.8
65°	0.0	2.4	4.8	6.8	8.6	10.9	14.4	17.9	21.8	25.8	30.6
62.5°	0.0	2.6	5.3	7.3	9.3	12.5	16.4	20.5	24.9	29.8	37.2
60°	0.0	2.8	5.7	7.8	10.0	14.2	18.4	23.2	28.0	35.7	43.6
57.5°	0.0	3.1	6.0	8.3	11.2	15.8	20.6	25.8	32.6	41.4	60.0
55°	0.0	3.3	6.3	8.8	12.5	17.3	22.7	28.3	37.6	49.8	80.6
52.5°	0.0	3.5	6.6	9.2	13.7	18.9	24.9	32.3	42.4	67.9	100.7
50°	0.0	3.7	6.9	9.7	14.8	20.6	26.9	36.4	50.3	85.4	138.6
47.5°	0.0	3.9	7.2	10.2	16.0	22.2	29.1	40.4	65.3	102.4	177.3
45°	0.0	4.0	7.5	11.0	17.1	23.8	32.3	44.2	79.9	135.6	214.7
42.5°	0.0	4.2	7.7	11.8	18.1	25.3	35.4	52.8	93.8	167.9	261.5
40°	0.0	4.4	8.0	12.5	19.2	26.8	38.4	64.4	111.7	198.8	308.1
37.5°	0.0	4.5	8.2	13.2	20.3	28.1	41.2	75.4	137.7	231.0	352.5
35°	0.0	4.7	8.4	13.9	21.3	30.1	43.9	85.9	162.3	268.7	396.2
32.5°	0.0	4.8	8.7	14.5	22.3	32.1	48.2	95.8	185.6	304.3	439.9
30°	0.0	4.9	8.8	15.1	23.2	34.1	56.0	107.2	207.3	337.6	480.9
27.5°	0.0	5.1	9.0	15.7	24.0	35.9	63.3	124.8	230.2	368.5	519.1
25°	0.0	5.2	9.2	16.2	24.8	37.6	70.1	141.0	255.4	399.0	554.6
22.5°	0.0	5.3	9.3	16.6	25.5	39.1	76.2	155.8	278.3	427.6	593.3
20°	0.0	5.4	9.5	17.0	26.2	40.5	81.7	169.1	299.1	453.5	628.3
17.5°	0.0	5.4	9.6	17.4	26.7	41.7	86.6	180.9	317.5	476.5	659.4
15°	0.0	5.5	9.7	17.7	27.2	42.7	90.9	191.2	333.5	496.6	686.6
12.5°	0.0	5.6	9.8	18.0	27.6	43.6	94.5	199.9	347.2	513.7	709.7
10°	0.0	5.6	9.9	18.2	28.0	44.4	97.5	207.1	358.4	527.7	728.8
7.5°	0.0	5.7	9.9	18.4	28.3	45.0	99.8	212.8	367.2	538.7	743.6
5°	0.0	5.7	10.0	18.5	28.4	45.4	101.5	216.8	373.5	546.5	754.3
2.5°	0.0	5.7	10.0	18.6	28.6	45.6	102.5	219.2	377.2	551.2	760.7
0°	0.0	5.7	10.0	18.6	28.6	45.6	102.5	219.2	377.2	551.2	760.7
-2.5°	0.0	5.7	10.0	18.6	28.6	45.6	102.5	219.2	377.2	551.2	760.7
-5°	0.0	5.7	10.0	18.5	28.4	45.4	101.5	216.8	373.5	546.5	754.3
-7.5°	0.0	5.7	9.9	18.4	28.3	45.0	99.8	212.8	367.2	538.7	743.6
-10°	0.0	5.6	9.9	18.2	28.0	44.4	97.5	207.1	358.4	527.7	728.8
-12.5°	0.0	5.6	9.8	18.0	27.6	43.6	94.5	199.9	347.2	513.7	709.7
-15°	0.0	5.5	9.7	17.7	27.2	42.7	90.9	191.2	333.5	496.6	686.6
-17.5°	0.0	5.4	9.6	17.4	26.7	41.7	86.6	180.9	317.5	476.5	659.4
-20°	0.0	5.4	9.5	17.0	26.2	40.5	81.7	169.1	299.1	453.5	628.3



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.3	9.3	16.6	25.5	39.1	76.2	155.8	278.3	427.6	593.3
-25°	0.0	5.2	9.2	16.2	24.8	37.6	70.1	141.0	255.4	399.0	554.6
-27.5°	0.0	5.1	9.0	15.7	24.0	35.9	63.3	124.8	230.2	368.5	519.1
-30°	0.0	4.9	8.8	15.1	23.2	34.1	56.0	107.2	207.3	337.6	480.9
-32.5°	0.0	4.8	8.7	14.5	22.3	32.1	48.2	95.8	185.6	304.3	439.9
-35°	0.0	4.7	8.4	13.9	21.3	30.1	43.9	85.9	162.3	268.7	396.2
-37.5°	0.0	4.5	8.2	13.2	20.3	28.1	41.2	75.4	137.7	231.0	352.5
-40°	0.0	4.4	8.0	12.5	19.2	26.8	38.4	64.4	111.7	198.8	308.1
-42.5°	0.0	4.2	7.7	11.8	18.1	25.3	35.4	52.8	93.8	167.9	261.5
-45°	0.0	4.0	7.5	11.0	17.1	23.8	32.3	44.2	79.9	135.6	214.7
-47.5°	0.0	3.9	7.2	10.2	16.0	22.2	29.1	40.4	65.3	102.4	177.3
-50°	0.0	3.7	6.9	9.7	14.8	20.6	26.9	36.4	50.3	85.4	138.6
-52.5°	0.0	3.5	6.6	9.2	13.7	18.9	24.9	32.3	42.4	67.9	100.7
-55°	0.0	3.3	6.3	8.8	12.5	17.3	22.7	28.3	37.6	49.8	80.6
-57.5°	0.0	3.1	6.0	8.3	11.2	15.8	20.6	25.8	32.6	41.4	60.0
-60°	0.0	2.8	5.7	7.8	10.0	14.2	18.4	23.2	28.0	35.7	43.6
-62.5°	0.0	2.6	5.3	7.3	9.3	12.5	16.4	20.5	24.9	29.8	37.2
-65°	0.0	2.4	4.8	6.8	8.6	10.9	14.4	17.9	21.8	25.8	30.6
-67.5°	0.0	2.2	4.4	6.3	8.0	9.6	12.4	15.5	18.7	22.3	25.8
-70°	0.0	1.9	3.9	5.8	7.3	8.7	10.3	13.1	15.9	18.7	21.8
-72.5°	0.0	1.7	3.4	5.1	6.5	7.8	9.1	10.6	13.1	15.5	17.9
-75°	0.0	1.5	2.9	4.4	5.8	6.9	8.0	9.1	10.3	12.4	14.4
-77.5°	0.0	1.2	2.5	3.7	4.9	6.0	6.9	7.8	8.7	9.6	10.9
-80°	0.0	1.0	2.0	3.0	3.9	4.9	5.8	6.5	7.3	8.0	8.6
-82.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.1	5.8	6.3	6.8
-85°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.4	4.8
-87.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
-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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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°	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.5
85°	5.3	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.7	8.0	8.2
82.5°	7.3	7.8	8.3	8.8	9.2	9.7	10.2	11.0	11.8	12.5	13.2
80°	9.3	10.0	11.2	12.5	13.7	14.8	16.0	17.1	18.1	19.2	20.3
77.5°	12.5	14.2	15.8	17.3	18.9	20.6	22.2	23.8	25.3	26.8	28.1
75°	16.4	18.4	20.6	22.7	24.9	26.9	29.1	32.3	35.4	38.4	41.2
72.5°	20.5	23.2	25.8	28.3	32.3	36.4	40.4	44.2	52.8	64.4	75.4
70°	24.9	28.0	32.6	37.6	42.4	50.3	65.3	79.9	93.8	111.7	137.7
67.5°	29.8	35.7	41.4	49.8	67.9	85.4	102.4	135.6	167.9	198.8	231.0
65°	37.2	43.6	60.0	80.6	100.7	138.6	177.3	214.7	261.5	308.1	352.5
62.5°	44.4	65.1	88.3	119.6	164.9	209.0	262.9	318.7	372.4	428.4	482.3
60°	65.1	90.9	130.2	180.9	234.0	299.1	362.2	427.6	492.3	554.6	625.9
57.5°	88.3	130.2	186.2	248.5	320.9	392.7	468.0	540.9	623.1	704.4	782.9
55°	119.6	180.9	248.5	328.3	408.9	492.5	577.9	672.7	764.3	855.3	942.4
52.5°	164.9	234.0	320.9	408.9	500.7	597.8	702.7	805.9	907.7	1003.8	1091.0
50°	209.0	299.1	392.7	492.5	597.8	712.8	826.9	939.4	1043.4	1140.9	1227.8
47.5°	262.9	362.2	468.0	577.9	702.7	826.9	950.1	1063.4	1171.2	1263.3	1350.7
45°	318.7	427.6	540.9	672.7	805.9	939.4	1063.4	1181.3	1281.2	1363.8	1394.1
42.5°	372.4	492.3	623.1	764.3	907.7	1043.4	1171.2	1281.2	1366.8	1400.1	1438.7
40°	428.4	554.6	704.4	855.3	1003.8	1140.9	1263.3	1363.8	1400.1	1442.9	1489.0
37.5°	482.3	625.9	782.9	942.4	1091.0	1227.8	1350.7	1394.1	1438.7	1489.0	1627.3
35°	533.6	693.8	859.4	1022.1	1174.2	1305.8	1382.2	1426.3	1480.6	1614.7	2037.0
32.5°	588.0	757.9	931.8	1095.1	1244.0	1364.5	1408.1	1463.8	1576.9	1865.1	2918.1
30°	642.8	820.0	998.5	1163.9	1309.0	1387.3	1439.1	1514.9	1688.1	2655.1	3676.9
27.5°	693.8	878.1	1057.5	1222.2	1361.2	1408.6	1470.2	1612.7	2223.0	3374.3	4352.7
25°	740.9	931.8	1112.1	1274.2	1379.5	1433.6	1514.4	1704.0	2876.1	3967.7	4595.9
22.5°	784.7	980.9	1162.1	1321.8	1396.4	1458.3	1592.5	2191.5	3440.6	4497.8	4719.3
20°	824.9	1022.1	1204.1	1359.6	1411.7	1480.8	1663.6	2703.5	3908.6	4603.1	4803.1
17.5°	860.8	1058.9	1239.3	1372.2	1429.3	1519.2	1786.0	3163.2	4329.8	4698.1	4864.9
15°	892.0	1091.0	1270.2	1383.1	1445.5	1570.8	2159.2	3514.7	4536.0	4772.6	4918.6
12.5°	918.7	1118.4	1296.5	1392.5	1459.3	1615.0	2478.9	3808.9	4602.7	4816.2	4933.4
10°	940.6	1140.9	1318.1	1400.2	1470.8	1651.4	2743.3	4052.6	4658.0	4852.4	4945.6
7.5°	957.8	1158.5	1335.1	1406.3	1479.7	1680.0	2950.7	4243.9	4701.5	4880.9	4955.3
5°	970.0	1171.2	1347.2	1410.6	1486.1	1700.5	3099.8	4381.6	4732.9	4901.5	4962.3
2.5°	977.4	1178.8	1354.6	1413.2	1490.0	1712.9	3189.7	4464.7	4751.8	4913.9	4966.6
0°	979.9	1181.3	1357.0	1414.1	1491.3	1717.0	3219.7	4492.4	4758.1	4918.1	4968.0
-2.5°	977.4	1178.8	1354.6	1413.2	1490.0	1712.9	3189.7	4464.7	4751.8	4913.9	4966.6
-5°	970.0	1171.2	1347.2	1410.6	1486.1	1700.5	3099.8	4381.6	4732.9	4901.5	4962.3
-7.5°	957.8	1158.5	1335.1	1406.3	1479.7	1680.0	2950.7	4243.9	4701.5	4880.9	4955.3
-10°	940.6	1140.9	1318.1	1400.2	1470.8	1651.4	2743.3	4052.6	4658.0	4852.4	4945.6
-12.5°	918.7	1118.4	1296.5	1392.5	1459.3	1615.0	2478.9	3808.9	4602.7	4816.2	4933.4
-15°	892.0	1091.0	1270.2	1383.1	1445.5	1570.8	2159.2	3514.7	4536.0	4772.6	4918.6
-17.5°	860.8	1058.9	1239.3	1372.2	1429.3	1519.2	1786.0	3163.2	4329.8	4698.1	4864.9
-20°	824.9	1022.1	1204.1	1359.6	1411.7	1480.8	1663.6	2703.5	3908.6	4603.1	4803.1



REPORT NUMBER: P731264 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	784.7	980.9	1162.1	1321.8	1396.4	1458.3	1592.5	2191.5	3440.6	4497.8	4719.3
-25°	740.9	931.8	1112.1	1274.2	1379.5	1433.6	1514.4	1704.0	2876.1	3967.7	4595.9
-27.5°	693.8	878.1	1057.5	1222.2	1361.2	1408.6	1470.2	1612.7	2223.0	3374.3	4352.7
-30°	642.8	820.0	998.5	1163.9	1309.0	1387.3	1439.1	1514.9	1688.1	2655.1	3676.9
-32.5°	588.0	757.9	931.8	1095.1	1244.0	1364.5	1408.1	1463.8	1576.9	1865.1	2918.1
-35°	533.6	693.8	859.4	1022.1	1174.2	1305.8	1382.2	1426.3	1480.6	1614.7	2037.0
-37.5°	482.3	625.9	782.9	942.4	1091.0	1227.8	1350.7	1394.1	1438.7	1489.0	1627.3
-40°	428.4	554.6	704.4	855.3	1003.8	1140.9	1263.3	1363.8	1400.1	1442.9	1489.0
-42.5°	372.4	492.3	623.1	764.3	907.7	1043.4	1171.2	1281.2	1366.8	1400.1	1438.7
-45°	318.7	427.6	540.9	672.7	805.9	939.4	1063.4	1181.3	1281.2	1363.8	1394.1
-47.5°	262.9	362.2	468.0	577.9	702.7	826.9	950.1	1063.4	1171.2	1263.3	1350.7
-50°	209.0	299.1	392.7	492.5	597.8	712.8	826.9	939.4	1043.4	1140.9	1227.8
-52.5°	164.9	234.0	320.9	408.9	500.7	597.8	702.7	805.9	907.7	1003.8	1091.0
-55°	119.6	180.9	248.5	328.3	408.9	492.5	577.9	672.7	764.3	855.3	942.4
-57.5°	88.3	130.2	186.2	248.5	320.9	392.7	468.0	540.9	623.1	704.4	782.9
-60°	65.1	90.9	130.2	180.9	234.0	299.1	362.2	427.6	492.3	554.6	625.9
-62.5°	44.4	65.1	88.3	119.6	164.9	209.0	262.9	318.7	372.4	428.4	482.3
-65°	37.2	43.6	60.0	80.6	100.7	138.6	177.3	214.7	261.5	308.1	352.5
-67.5°	29.8	35.7	41.4	49.8	67.9	85.4	102.4	135.6	167.9	198.8	231.0
-70°	24.9	28.0	32.6	37.6	42.4	50.3	65.3	79.9	93.8	111.7	137.7
-72.5°	20.5	23.2	25.8	28.3	32.3	36.4	40.4	44.2	52.8	64.4	75.4
-75°	16.4	18.4	20.6	22.7	24.9	26.9	29.1	32.3	35.4	38.4	41.2
-77.5°	12.5	14.2	15.8	17.3	18.9	20.6	22.2	23.8	25.3	26.8	28.1
-80°	9.3	10.0	11.2	12.5	13.7	14.8	16.0	17.1	18.1	19.2	20.3
-82.5°	7.3	7.8	8.3	8.8	9.2	9.7	10.2	11.0	11.8	12.5	13.2
-85°	5.3	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.7	8.0	8.2
-87.5°	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.5
-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: P731264 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-HEG

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°	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6
85°	8.4	8.7	8.8	9.0	9.2	9.3	9.5	9.6	9.7	9.8	9.9
82.5°	13.9	14.5	15.1	15.7	16.2	16.6	17.0	17.4	17.7	18.0	18.2
80°	21.3	22.3	23.2	24.0	24.8	25.5	26.2	26.7	27.2	27.6	28.0
77.5°	30.1	32.1	34.1	35.9	37.6	39.1	40.5	41.7	42.7	43.6	44.4
75°	43.9	48.2	56.0	63.3	70.1	76.2	81.7	86.6	90.9	94.5	97.5
72.5°	85.9	95.8	107.2	124.8	141.0	155.8	169.1	180.9	191.2	199.9	207.1
70°	162.3	185.6	207.3	230.2	255.4	278.3	299.1	317.5	333.5	347.2	358.4
67.5°	268.7	304.3	337.6	368.5	399.0	427.6	453.5	476.5	496.6	513.7	527.7
65°	396.2	439.9	480.9	519.1	554.6	593.3	628.3	659.4	686.6	709.7	728.8
62.5°	533.6	588.0	642.8	693.8	740.9	784.7	824.9	860.8	892.0	918.7	940.6
60°	693.8	757.9	820.0	878.1	931.8	980.9	1022.1	1058.9	1091.0	1118.4	1140.9
57.5°	859.4	931.8	998.5	1057.5	1112.1	1162.1	1204.1	1239.3	1270.2	1296.5	1318.1
55°	1022.1	1095.1	1163.9	1222.2	1274.2	1321.8	1359.6	1372.2	1383.1	1392.5	1400.2
52.5°	1174.2	1244.0	1309.0	1361.2	1379.5	1396.4	1411.7	1429.3	1445.5	1459.3	1470.8
50°	1305.8	1364.5	1387.3	1408.6	1433.6	1458.3	1480.8	1519.2	1570.8	1615.0	1651.4
47.5°	1382.2	1408.1	1439.1	1470.2	1514.4	1592.5	1663.6	1786.0	2159.2	2478.9	2743.3
45°	1426.3	1463.8	1514.9	1612.7	1704.0	2191.5	2703.5	3163.2	3514.7	3808.9	4052.6
42.5°	1480.6	1576.9	1688.1	2223.0	2876.1	3440.6	3908.6	4329.8	4536.0	4602.7	4658.0
40°	1614.7	1865.1	2655.1	3374.3	3967.7	4497.8	4603.1	4698.1	4772.6	4816.2	4852.4
37.5°	2037.0	2918.1	3676.9	4352.7	4595.9	4719.3	4803.1	4864.9	4918.6	4933.4	4945.6
35°	3006.4	3829.9	4512.2	4662.6	4786.0	4865.8	4924.7	4945.5	4964.0	4911.0	4847.8
32.5°	3829.9	4528.7	4696.4	4817.4	4908.6	4941.8	4966.5	4869.2	4774.5	4654.9	4521.9
30°	4512.2	4696.4	4827.9	4921.9	4952.2	4907.7	4782.5	4608.1	4410.0	4267.7	4230.7
27.5°	4662.6	4817.4	4921.9	4955.8	4873.3	4726.2	4466.8	4265.4	4210.6	4162.6	4261.0
25°	4786.0	4908.6	4952.2	4873.3	4691.6	4394.7	4236.8	4171.2	4286.3	4414.7	4654.6
22.5°	4865.8	4941.8	4907.7	4726.2	4394.7	4227.2	4190.2	4363.5	4649.2	5024.4	6327.0
20°	4924.7	4966.5	4782.5	4466.8	4236.8	4190.2	4389.7	4796.1	5632.5	8815.4	12581.9
17.5°	4945.5	4869.2	4608.1	4265.4	4171.2	4363.5	4796.1	6240.9	10105.6	18483.9	27322.7
15°	4964.0	4774.5	4410.0	4210.6	4286.3	4649.2	5632.5	10105.6	20508.3	33450.0	47981.5
12.5°	4911.0	4654.9	4267.7	4162.6	4414.7	5024.4	8815.4	18483.9	33450.0	51510.9	82103.1
10°	4847.8	4521.9	4230.7	4261.0	4654.6	6327.0	12581.9	27322.7	47981.5	82103.1	123637.4
7.5°	4797.8	4416.5	4201.2	4340.3	4888.3	8333.4	19059.3	37803.1	67279.0	112209.9	173606.0
5°	4761.6	4340.0	4179.8	4398.1	5059.6	9812.5	23871.7	45856.3	85257.3	142599.1	224492.5
2.5°	4739.7	4293.6	4166.8	4433.4	5164.3	10720.0	26841.2	50866.4	96577.0	164509.5	262562.3
0°	4732.4	4278.1	4162.4	4445.2	5199.5	11026.0	27845.6	52568.7	100449.4	172823.2	276160.9
-2.5°	4739.7	4293.6	4166.8	4433.4	5164.3	10720.0	26841.2	50866.4	96577.0	164509.5	262562.3
-5°	4761.6	4340.0	4179.8	4398.1	5059.6	9812.5	23871.7	45856.3	85257.3	142599.1	224492.5
-7.5°	4797.8	4416.5	4201.2	4340.3	4888.3	8333.4	19059.3	37803.1	67279.0	112209.9	173606.0
-10°	4847.8	4521.9	4230.7	4261.0	4654.6	6327.0	12581.9	27322.7	47981.5	82103.1	123637.4
-12.5°	4911.0	4654.9	4267.7	4162.6	4414.7	5024.4	8815.4	18483.9	33450.0	51510.9	82103.1
-15°	4964.0	4774.5	4410.0	4210.6	4286.3	4649.2	5632.5	10105.6	20508.3	33450.0	47981.5
-17.5°	4945.5	4869.2	4608.1	4265.4	4171.2	4363.5	4796.1	6240.9	10105.6	18483.9	27322.7
-20°	4924.7	4966.5	4782.5	4466.8	4236.8	4190.2	4389.7	4796.1	5632.5	8815.4	12581.9



REPORT NUMBER: P731264 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4865.8	4941.8	4907.7	4726.2	4394.7	4227.2	4190.2	4363.5	4649.2	5024.4	6327.0
-25°	4786.0	4908.6	4952.2	4873.3	4691.6	4394.7	4236.8	4171.2	4286.3	4414.7	4654.6
-27.5°	4662.6	4817.4	4921.9	4955.8	4873.3	4726.2	4466.8	4265.4	4210.6	4162.6	4261.0
-30°	4512.2	4696.4	4827.9	4921.9	4952.2	4907.7	4782.5	4608.1	4410.0	4267.7	4230.7
-32.5°	3829.9	4528.7	4696.4	4817.4	4908.6	4941.8	4966.5	4869.2	4774.5	4654.9	4521.9
-35°	3006.4	3829.9	4512.2	4662.6	4786.0	4865.8	4924.7	4945.5	4964.0	4911.0	4847.8
-37.5°	2037.0	2918.1	3676.9	4352.7	4595.9	4719.3	4803.1	4864.9	4918.6	4933.4	4945.6
-40°	1614.7	1865.1	2655.1	3374.3	3967.7	4497.8	4603.1	4698.1	4772.6	4816.2	4852.4
-42.5°	1480.6	1576.9	1688.1	2223.0	2876.1	3440.6	3908.6	4329.8	4536.0	4602.7	4658.0
-45°	1426.3	1463.8	1514.9	1612.7	1704.0	2191.5	2703.5	3163.2	3514.7	3808.9	4052.6
-47.5°	1382.2	1408.1	1439.1	1470.2	1514.4	1592.5	1663.6	1786.0	2159.2	2478.9	2743.3
-50°	1305.8	1364.5	1387.3	1408.6	1433.6	1458.3	1480.8	1519.2	1570.8	1615.0	1651.4
-52.5°	1174.2	1244.0	1309.0	1361.2	1379.5	1396.4	1411.7	1429.3	1445.5	1459.3	1470.8
-55°	1022.1	1095.1	1163.9	1222.2	1274.2	1321.8	1359.6	1372.2	1383.1	1392.5	1400.2
-57.5°	859.4	931.8	998.5	1057.5	1112.1	1162.1	1204.1	1239.3	1270.2	1296.5	1318.1
-60°	693.8	757.9	820.0	878.1	931.8	980.9	1022.1	1058.9	1091.0	1118.4	1140.9
-62.5°	533.6	588.0	642.8	693.8	740.9	784.7	824.9	860.8	892.0	918.7	940.6
-65°	396.2	439.9	480.9	519.1	554.6	593.3	628.3	659.4	686.6	709.7	728.8
-67.5°	268.7	304.3	337.6	368.5	399.0	427.6	453.5	476.5	496.6	513.7	527.7
-70°	162.3	185.6	207.3	230.2	255.4	278.3	299.1	317.5	333.5	347.2	358.4
-72.5°	85.9	95.8	107.2	124.8	141.0	155.8	169.1	180.9	191.2	199.9	207.1
-75°	43.9	48.2	56.0	63.3	70.1	76.2	81.7	86.6	90.9	94.5	97.5
-77.5°	30.1	32.1	34.1	35.9	37.6	39.1	40.5	41.7	42.7	43.6	44.4
-80°	21.3	22.3	23.2	24.0	24.8	25.5	26.2	26.7	27.2	27.6	28.0
-82.5°	13.9	14.5	15.1	15.7	16.2	16.6	17.0	17.4	17.7	18.0	18.2
-85°	8.4	8.7	8.8	9.0	9.2	9.3	9.5	9.6	9.7	9.8	9.9
-87.5°	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6
-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: P731264 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-HEG

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°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4
85°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.9	9.8	9.7	9.6
82.5°	18.4	18.5	18.6	18.6	18.6	18.5	18.4	18.2	18.0	17.7	17.4
80°	28.3	28.4	28.6	28.6	28.6	28.4	28.3	28.0	27.6	27.2	26.7
77.5°	45.0	45.4	45.6	45.7	45.6	45.4	45.0	44.4	43.6	42.7	41.7
75°	99.8	101.5	102.5	102.8	102.5	101.5	99.8	97.5	94.5	90.9	86.6
72.5°	212.8	216.8	219.2	220.0	219.2	216.8	212.8	207.1	199.9	191.2	180.9
70°	367.2	373.5	377.2	378.5	377.2	373.5	367.2	358.4	347.2	333.5	317.5
67.5°	538.7	546.5	551.2	552.8	551.2	546.5	538.7	527.7	513.7	496.6	476.5
65°	743.6	754.3	760.7	762.8	760.7	754.3	743.6	728.8	709.7	686.6	659.4
62.5°	957.8	970.0	977.4	979.9	977.4	970.0	957.8	940.6	918.7	892.0	860.8
60°	1158.5	1171.2	1178.8	1181.3	1178.8	1171.2	1158.5	1140.9	1118.4	1091.0	1058.9
57.5°	1335.1	1347.2	1354.6	1357.0	1354.6	1347.2	1335.1	1318.1	1296.5	1270.2	1239.3
55°	1406.3	1410.6	1413.2	1414.1	1413.2	1410.6	1406.3	1400.2	1392.5	1383.1	1372.2
52.5°	1479.7	1486.1	1490.0	1491.3	1490.0	1486.1	1479.7	1470.8	1459.3	1445.5	1429.3
50°	1680.0	1700.5	1712.9	1717.0	1712.9	1700.5	1680.0	1651.4	1615.0	1570.8	1519.2
47.5°	2950.7	3099.8	3189.7	3219.7	3189.7	3099.8	2950.7	2743.3	2478.9	2159.2	1786.0
45°	4243.9	4381.6	4464.7	4492.4	4464.7	4381.6	4243.9	4052.6	3808.9	3514.7	3163.2
42.5°	4701.5	4732.9	4751.8	4758.1	4751.8	4732.9	4701.5	4658.0	4602.7	4536.0	4329.8
40°	4880.9	4901.5	4913.9	4918.1	4913.9	4901.5	4880.9	4852.4	4816.2	4772.6	4698.1
37.5°	4955.3	4962.3	4966.6	4968.0	4966.6	4962.3	4955.3	4945.6	4933.4	4918.6	4864.9
35°	4797.8	4761.6	4739.7	4732.4	4739.7	4761.6	4797.8	4847.8	4911.0	4964.0	4945.5
32.5°	4416.5	4340.0	4293.6	4278.1	4293.6	4340.0	4416.5	4521.9	4654.9	4774.5	4869.2
30°	4201.2	4179.8	4166.8	4162.4	4166.8	4179.8	4201.2	4230.7	4267.7	4410.0	4608.1
27.5°	4340.3	4398.1	4433.4	4445.2	4433.4	4398.1	4340.3	4261.0	4162.6	4210.6	4265.4
25°	4888.3	5059.6	5164.3	5199.5	5164.3	5059.6	4888.3	4654.6	4414.7	4286.3	4171.2
22.5°	8333.4	9812.5	10720.0	11026.0	10720.0	9812.5	8333.4	6327.0	5024.4	4649.2	4363.5
20°	19059.3	23871.7	26841.2	27845.6	26841.2	23871.7	19059.3	12581.9	8815.4	5632.5	4796.1
17.5°	37803.1	45856.3	50866.4	52568.7	50866.4	45856.3	37803.1	27322.7	18483.9	10105.6	6240.9
15°	67279.0	85257.3	96577.0	100449.4	96577.0	85257.3	67279.0	47981.5	33450.0	20508.3	10105.6
12.5°	112209.9	142599.1	164509.5	172823.2	164509.5	142599.1	112209.9	82103.1	51510.9	33450.0	18483.9
10°	173606.0	224492.5	262562.3	276160.9	262562.3	224492.5	173606.0	123637.4	82103.1	47981.5	27322.7
7.5°	249764.7	318158.3	366215.4	382577.5	366215.4	318158.3	249764.7	173606.0	112209.9	67279.0	37803.1
5°	318158.3	400156.0	455001.2	475289.9	455001.2	400156.0	318158.3	224492.5	142599.1	85257.3	45856.3
2.5°	366215.4	455001.2	520079.2	550936.9	520079.2	455001.2	366215.4	262562.3	164509.5	96577.0	50866.4
0°	382577.5	475289.9	550936.9	596498.5	550936.9	475289.9	382577.5	276160.9	172823.2	100449.4	52568.7
-2.5°	366215.4	455001.2	520079.2	550936.9	520079.2	455001.2	366215.4	262562.3	164509.5	96577.0	50866.4
-5°	318158.3	400156.0	455001.2	475289.9	455001.2	400156.0	318158.3	224492.5	142599.1	85257.3	45856.3
-7.5°	249764.7	318158.3	366215.4	382577.5	366215.4	318158.3	249764.7	173606.0	112209.9	67279.0	37803.1
-10°	173606.0	224492.5	262562.3	276160.9	262562.3	224492.5	173606.0	123637.4	82103.1	47981.5	27322.7
-12.5°	112209.9	142599.1	164509.5	172823.2	164509.5	142599.1	112209.9	82103.1	51510.9	33450.0	18483.9
-15°	67279.0	85257.3	96577.0	100449.4	96577.0	85257.3	67279.0	47981.5	33450.0	20508.3	10105.6
-17.5°	37803.1	45856.3	50866.4	52568.7	50866.4	45856.3	37803.1	27322.7	18483.9	10105.6	6240.9
-20°	19059.3	23871.7	26841.2	27845.6	26841.2	23871.7	19059.3	12581.9	8815.4	5632.5	4796.1



REPORT NUMBER: P731264 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8333.4	9812.5	10720.0	11026.0	10720.0	9812.5	8333.4	6327.0	5024.4	4649.2	4363.5
-25°	4888.3	5059.6	5164.3	5199.5	5164.3	5059.6	4888.3	4654.6	4414.7	4286.3	4171.2
-27.5°	4340.3	4398.1	4433.4	4445.2	4433.4	4398.1	4340.3	4261.0	4162.6	4210.6	4265.4
-30°	4201.2	4179.8	4166.8	4162.4	4166.8	4179.8	4201.2	4230.7	4267.7	4410.0	4608.1
-32.5°	4416.5	4340.0	4293.6	4278.1	4293.6	4340.0	4416.5	4521.9	4654.9	4774.5	4869.2
-35°	4797.8	4761.6	4739.7	4732.4	4739.7	4761.6	4797.8	4847.8	4911.0	4964.0	4945.5
-37.5°	4955.3	4962.3	4966.6	4968.0	4966.6	4962.3	4955.3	4945.6	4933.4	4918.6	4864.9
-40°	4880.9	4901.5	4913.9	4918.1	4913.9	4901.5	4880.9	4852.4	4816.2	4772.6	4698.1
-42.5°	4701.5	4732.9	4751.8	4758.1	4751.8	4732.9	4701.5	4658.0	4602.7	4536.0	4329.8
-45°	4243.9	4381.6	4464.7	4492.4	4464.7	4381.6	4243.9	4052.6	3808.9	3514.7	3163.2
-47.5°	2950.7	3099.8	3189.7	3219.7	3189.7	3099.8	2950.7	2743.3	2478.9	2159.2	1786.0
-50°	1680.0	1700.5	1712.9	1717.0	1712.9	1700.5	1680.0	1651.4	1615.0	1570.8	1519.2
-52.5°	1479.7	1486.1	1490.0	1491.3	1490.0	1486.1	1479.7	1470.8	1459.3	1445.5	1429.3
-55°	1406.3	1410.6	1413.2	1414.1	1413.2	1410.6	1406.3	1400.2	1392.5	1383.1	1372.2
-57.5°	1335.1	1347.2	1354.6	1357.0	1354.6	1347.2	1335.1	1318.1	1296.5	1270.2	1239.3
-60°	1158.5	1171.2	1178.8	1181.3	1178.8	1171.2	1158.5	1140.9	1118.4	1091.0	1058.9
-62.5°	957.8	970.0	977.4	979.9	977.4	970.0	957.8	940.6	918.7	892.0	860.8
-65°	743.6	754.3	760.7	762.8	760.7	754.3	743.6	728.8	709.7	686.6	659.4
-67.5°	538.7	546.5	551.2	552.8	551.2	546.5	538.7	527.7	513.7	496.6	476.5
-70°	367.2	373.5	377.2	378.5	377.2	373.5	367.2	358.4	347.2	333.5	317.5
-72.5°	212.8	216.8	219.2	220.0	219.2	216.8	212.8	207.1	199.9	191.2	180.9
-75°	99.8	101.5	102.5	102.8	102.5	101.5	99.8	97.5	94.5	90.9	86.6
-77.5°	45.0	45.4	45.6	45.7	45.6	45.4	45.0	44.4	43.6	42.7	41.7
-80°	28.3	28.4	28.6	28.6	28.6	28.4	28.3	28.0	27.6	27.2	26.7
-82.5°	18.4	18.5	18.6	18.6	18.6	18.5	18.4	18.2	18.0	17.7	17.4
-85°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.9	9.8	9.7	9.6
-87.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4
-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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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°	5.4	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.2	4.0
85°	9.5	9.3	9.2	9.0	8.8	8.7	8.4	8.2	8.0	7.7	7.5
82.5°	17.0	16.6	16.2	15.7	15.1	14.5	13.9	13.2	12.5	11.8	11.0
80°	26.2	25.5	24.8	24.0	23.2	22.3	21.3	20.3	19.2	18.1	17.1
77.5°	40.5	39.1	37.6	35.9	34.1	32.1	30.1	28.1	26.8	25.3	23.8
75°	81.7	76.2	70.1	63.3	56.0	48.2	43.9	41.2	38.4	35.4	32.3
72.5°	169.1	155.8	141.0	124.8	107.2	95.8	85.9	75.4	64.4	52.8	44.2
70°	299.1	278.3	255.4	230.2	207.3	185.6	162.3	137.7	111.7	93.8	79.9
67.5°	453.5	427.6	399.0	368.5	337.6	304.3	268.7	231.0	198.8	167.9	135.6
65°	628.3	593.3	554.6	519.1	480.9	439.9	396.2	352.5	308.1	261.5	214.7
62.5°	824.9	784.7	740.9	693.8	642.8	588.0	533.6	482.3	428.4	372.4	318.7
60°	1022.1	980.9	931.8	878.1	820.0	757.9	693.8	625.9	554.6	492.3	427.6
57.5°	1204.1	1162.1	1112.1	1057.5	998.5	931.8	859.4	782.9	704.4	623.1	540.9
55°	1359.6	1321.8	1274.2	1222.2	1163.9	1095.1	1022.1	942.4	855.3	764.3	672.7
52.5°	1411.7	1396.4	1379.5	1361.2	1309.0	1244.0	1174.2	1091.0	1003.8	907.7	805.9
50°	1480.8	1458.3	1433.6	1408.6	1387.3	1364.5	1305.8	1227.8	1140.9	1043.4	939.4
47.5°	1663.6	1592.5	1514.4	1470.2	1439.1	1408.1	1382.2	1350.7	1263.3	1171.2	1063.4
45°	2703.5	2191.5	1704.0	1612.7	1514.9	1463.8	1426.3	1394.1	1363.8	1281.2	1181.3
42.5°	3908.6	3440.6	2876.1	2223.0	1688.1	1576.9	1480.6	1438.7	1400.1	1366.8	1281.2
40°	4603.1	4497.8	3967.7	3374.3	2655.1	1865.1	1614.7	1489.0	1442.9	1400.1	1363.8
37.5°	4803.1	4719.3	4595.9	4352.7	3676.9	2918.1	2037.0	1627.3	1489.0	1438.7	1394.1
35°	4924.7	4865.8	4786.0	4662.6	4512.2	3829.9	3006.4	2037.0	1614.7	1480.6	1426.3
32.5°	4966.5	4941.8	4908.6	4817.4	4696.4	4528.7	3829.9	2918.1	1865.1	1576.9	1463.8
30°	4782.5	4907.7	4952.2	4921.9	4827.9	4696.4	4512.2	3676.9	2655.1	1688.1	1514.9
27.5°	4466.8	4726.2	4873.3	4955.8	4921.9	4817.4	4662.6	4352.7	3374.3	2223.0	1612.7
25°	4236.8	4394.7	4691.6	4873.3	4952.2	4908.6	4786.0	4595.9	3967.7	2876.1	1704.0
22.5°	4190.2	4227.2	4394.7	4726.2	4907.7	4941.8	4865.8	4719.3	4497.8	3440.6	2191.5
20°	4389.7	4190.2	4236.8	4466.8	4782.5	4966.5	4924.7	4803.1	4603.1	3908.6	2703.5
17.5°	4796.1	4363.5	4171.2	4265.4	4608.1	4869.2	4945.5	4864.9	4698.1	4329.8	3163.2
15°	5632.5	4649.2	4286.3	4210.6	4410.0	4774.5	4964.0	4918.6	4772.6	4536.0	3514.7
12.5°	8815.4	5024.4	4414.7	4162.6	4267.7	4654.9	4911.0	4933.4	4816.2	4602.7	3808.9
10°	12581.9	6327.0	4654.6	4261.0	4230.7	4521.9	4847.8	4945.6	4852.4	4658.0	4052.6
7.5°	19059.3	8333.4	4888.3	4340.3	4201.2	4416.5	4797.8	4955.3	4880.9	4701.5	4243.9
5°	23871.7	9812.5	5059.6	4398.1	4179.8	4340.0	4761.6	4962.3	4901.5	4732.9	4381.6
2.5°	26841.2	10720.0	5164.3	4433.4	4166.8	4293.6	4739.7	4966.6	4913.9	4751.8	4464.7
0°	27845.6	11026.0	5199.5	4445.2	4162.4	4278.1	4732.4	4968.0	4918.1	4758.1	4492.4
-2.5°	26841.2	10720.0	5164.3	4433.4	4166.8	4293.6	4739.7	4966.6	4913.9	4751.8	4464.7
-5°	23871.7	9812.5	5059.6	4398.1	4179.8	4340.0	4761.6	4962.3	4901.5	4732.9	4381.6
-7.5°	19059.3	8333.4	4888.3	4340.3	4201.2	4416.5	4797.8	4955.3	4880.9	4701.5	4243.9
-10°	12581.9	6327.0	4654.6	4261.0	4230.7	4521.9	4847.8	4945.6	4852.4	4658.0	4052.6
-12.5°	8815.4	5024.4	4414.7	4162.6	4267.7	4654.9	4911.0	4933.4	4816.2	4602.7	3808.9
-15°	5632.5	4649.2	4286.3	4210.6	4410.0	4774.5	4964.0	4918.6	4772.6	4536.0	3514.7
-17.5°	4796.1	4363.5	4171.2	4265.4	4608.1	4869.2	4945.5	4864.9	4698.1	4329.8	3163.2
-20°	4389.7	4190.2	4236.8	4466.8	4782.5	4966.5	4924.7	4803.1	4603.1	3908.6	2703.5



REPORT NUMBER: P731264 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4190.2	4227.2	4394.7	4726.2	4907.7	4941.8	4865.8	4719.3	4497.8	3440.6	2191.5
-25°	4236.8	4394.7	4691.6	4873.3	4952.2	4908.6	4786.0	4595.9	3967.7	2876.1	1704.0
-27.5°	4466.8	4726.2	4873.3	4955.8	4921.9	4817.4	4662.6	4352.7	3374.3	2223.0	1612.7
-30°	4782.5	4907.7	4952.2	4921.9	4827.9	4696.4	4512.2	3676.9	2655.1	1688.1	1514.9
-32.5°	4966.5	4941.8	4908.6	4817.4	4696.4	4528.7	3829.9	2918.1	1865.1	1576.9	1463.8
-35°	4924.7	4865.8	4786.0	4662.6	4512.2	3829.9	3006.4	2037.0	1614.7	1480.6	1426.3
-37.5°	4803.1	4719.3	4595.9	4352.7	3676.9	2918.1	2037.0	1627.3	1489.0	1438.7	1394.1
-40°	4603.1	4497.8	3967.7	3374.3	2655.1	1865.1	1614.7	1489.0	1442.9	1400.1	1363.8
-42.5°	3908.6	3440.6	2876.1	2223.0	1688.1	1576.9	1480.6	1438.7	1400.1	1366.8	1281.2
-45°	2703.5	2191.5	1704.0	1612.7	1514.9	1463.8	1426.3	1394.1	1363.8	1281.2	1181.3
-47.5°	1663.6	1592.5	1514.4	1470.2	1439.1	1408.1	1382.2	1350.7	1263.3	1171.2	1063.4
-50°	1480.8	1458.3	1433.6	1408.6	1387.3	1364.5	1305.8	1227.8	1140.9	1043.4	939.4
-52.5°	1411.7	1396.4	1379.5	1361.2	1309.0	1244.0	1174.2	1091.0	1003.8	907.7	805.9
-55°	1359.6	1321.8	1274.2	1222.2	1163.9	1095.1	1022.1	942.4	855.3	764.3	672.7
-57.5°	1204.1	1162.1	1112.1	1057.5	998.5	931.8	859.4	782.9	704.4	623.1	540.9
-60°	1022.1	980.9	931.8	878.1	820.0	757.9	693.8	625.9	554.6	492.3	427.6
-62.5°	824.9	784.7	740.9	693.8	642.8	588.0	533.6	482.3	428.4	372.4	318.7
-65°	628.3	593.3	554.6	519.1	480.9	439.9	396.2	352.5	308.1	261.5	214.7
-67.5°	453.5	427.6	399.0	368.5	337.6	304.3	268.7	231.0	198.8	167.9	135.6
-70°	299.1	278.3	255.4	230.2	207.3	185.6	162.3	137.7	111.7	93.8	79.9
-72.5°	169.1	155.8	141.0	124.8	107.2	95.8	85.9	75.4	64.4	52.8	44.2
-75°	81.7	76.2	70.1	63.3	56.0	48.2	43.9	41.2	38.4	35.4	32.3
-77.5°	40.5	39.1	37.6	35.9	34.1	32.1	30.1	28.1	26.8	25.3	23.8
-80°	26.2	25.5	24.8	24.0	23.2	22.3	21.3	20.3	19.2	18.1	17.1
-82.5°	17.0	16.6	16.2	15.7	15.1	14.5	13.9	13.2	12.5	11.8	11.0
-85°	9.5	9.3	9.2	9.0	8.8	8.7	8.4	8.2	8.0	7.7	7.5
-87.5°	5.4	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.2	4.0
-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: P731264 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-HEG

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°	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2	1.9	1.7
85°	7.2	6.9	6.6	6.3	6.0	5.7	5.3	4.8	4.4	3.9	3.4
82.5°	10.2	9.7	9.2	8.8	8.3	7.8	7.3	6.8	6.3	5.8	5.1
80°	16.0	14.8	13.7	12.5	11.2	10.0	9.3	8.6	8.0	7.3	6.5
77.5°	22.2	20.6	18.9	17.3	15.8	14.2	12.5	10.9	9.6	8.7	7.8
75°	29.1	26.9	24.9	22.7	20.6	18.4	16.4	14.4	12.4	10.3	9.1
72.5°	40.4	36.4	32.3	28.3	25.8	23.2	20.5	17.9	15.5	13.1	10.6
70°	65.3	50.3	42.4	37.6	32.6	28.0	24.9	21.8	18.7	15.9	13.1
67.5°	102.4	85.4	67.9	49.8	41.4	35.7	29.8	25.8	22.3	18.7	15.5
65°	177.3	138.6	100.7	80.6	60.0	43.6	37.2	30.6	25.8	21.8	17.9
62.5°	262.9	209.0	164.9	119.6	88.3	65.1	44.4	37.2	29.8	24.9	20.5
60°	362.2	299.1	234.0	180.9	130.2	90.9	65.1	43.6	35.7	28.0	23.2
57.5°	468.0	392.7	320.9	248.5	186.2	130.2	88.3	60.0	41.4	32.6	25.8
55°	577.9	492.5	408.9	328.3	248.5	180.9	119.6	80.6	49.8	37.6	28.3
52.5°	702.7	597.8	500.7	408.9	320.9	234.0	164.9	100.7	67.9	42.4	32.3
50°	826.9	712.8	597.8	492.5	392.7	299.1	209.0	138.6	85.4	50.3	36.4
47.5°	950.1	826.9	702.7	577.9	468.0	362.2	262.9	177.3	102.4	65.3	40.4
45°	1063.4	939.4	805.9	672.7	540.9	427.6	318.7	214.7	135.6	79.9	44.2
42.5°	1171.2	1043.4	907.7	764.3	623.1	492.3	372.4	261.5	167.9	93.8	52.8
40°	1263.3	1140.9	1003.8	855.3	704.4	554.6	428.4	308.1	198.8	111.7	64.4
37.5°	1350.7	1227.8	1091.0	942.4	782.9	625.9	482.3	352.5	231.0	137.7	75.4
35°	1382.2	1305.8	1174.2	1022.1	859.4	693.8	533.6	396.2	268.7	162.3	85.9
32.5°	1408.1	1364.5	1244.0	1095.1	931.8	757.9	588.0	439.9	304.3	185.6	95.8
30°	1439.1	1387.3	1309.0	1163.9	998.5	820.0	642.8	480.9	337.6	207.3	107.2
27.5°	1470.2	1408.6	1361.2	1222.2	1057.5	878.1	693.8	519.1	368.5	230.2	124.8
25°	1514.4	1433.6	1379.5	1274.2	1112.1	931.8	740.9	554.6	399.0	255.4	141.0
22.5°	1592.5	1458.3	1396.4	1321.8	1162.1	980.9	784.7	593.3	427.6	278.3	155.8
20°	1663.6	1480.8	1411.7	1359.6	1204.1	1022.1	824.9	628.3	453.5	299.1	169.1
17.5°	1786.0	1519.2	1429.3	1372.2	1239.3	1058.9	860.8	659.4	476.5	317.5	180.9
15°	2159.2	1570.8	1445.5	1383.1	1270.2	1091.0	892.0	686.6	496.6	333.5	191.2
12.5°	2478.9	1615.0	1459.3	1392.5	1296.5	1118.4	918.7	709.7	513.7	347.2	199.9
10°	2743.3	1651.4	1470.8	1400.2	1318.1	1140.9	940.6	728.8	527.7	358.4	207.1
7.5°	2950.7	1680.0	1479.7	1406.3	1335.1	1158.5	957.8	743.6	538.7	367.2	212.8
5°	3099.8	1700.5	1486.1	1410.6	1347.2	1171.2	970.0	754.3	546.5	373.5	216.8
2.5°	3189.7	1712.9	1490.0	1413.2	1354.6	1178.8	977.4	760.7	551.2	377.2	219.2
0°	3219.7	1717.0	1491.3	1414.1	1357.0	1181.3	979.9	762.8	552.8	378.5	220.0
-2.5°	3189.7	1712.9	1490.0	1413.2	1354.6	1178.8	977.4	760.7	551.2	377.2	219.2
-5°	3099.8	1700.5	1486.1	1410.6	1347.2	1171.2	970.0	754.3	546.5	373.5	216.8
-7.5°	2950.7	1680.0	1479.7	1406.3	1335.1	1158.5	957.8	743.6	538.7	367.2	212.8
-10°	2743.3	1651.4	1470.8	1400.2	1318.1	1140.9	940.6	728.8	527.7	358.4	207.1
-12.5°	2478.9	1615.0	1459.3	1392.5	1296.5	1118.4	918.7	709.7	513.7	347.2	199.9
-15°	2159.2	1570.8	1445.5	1383.1	1270.2	1091.0	892.0	686.6	496.6	333.5	191.2
-17.5°	1786.0	1519.2	1429.3	1372.2	1239.3	1058.9	860.8	659.4	476.5	317.5	180.9
-20°	1663.6	1480.8	1411.7	1359.6	1204.1	1022.1	824.9	628.3	453.5	299.1	169.1



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1592.5	1458.3	1396.4	1321.8	1162.1	980.9	784.7	593.3	427.6	278.3	155.8
-25°	1514.4	1433.6	1379.5	1274.2	1112.1	931.8	740.9	554.6	399.0	255.4	141.0
-27.5°	1470.2	1408.6	1361.2	1222.2	1057.5	878.1	693.8	519.1	368.5	230.2	124.8
-30°	1439.1	1387.3	1309.0	1163.9	998.5	820.0	642.8	480.9	337.6	207.3	107.2
-32.5°	1408.1	1364.5	1244.0	1095.1	931.8	757.9	588.0	439.9	304.3	185.6	95.8
-35°	1382.2	1305.8	1174.2	1022.1	859.4	693.8	533.6	396.2	268.7	162.3	85.9
-37.5°	1350.7	1227.8	1091.0	942.4	782.9	625.9	482.3	352.5	231.0	137.7	75.4
-40°	1263.3	1140.9	1003.8	855.3	704.4	554.6	428.4	308.1	198.8	111.7	64.4
-42.5°	1171.2	1043.4	907.7	764.3	623.1	492.3	372.4	261.5	167.9	93.8	52.8
-45°	1063.4	939.4	805.9	672.7	540.9	427.6	318.7	214.7	135.6	79.9	44.2
-47.5°	950.1	826.9	702.7	577.9	468.0	362.2	262.9	177.3	102.4	65.3	40.4
-50°	826.9	712.8	597.8	492.5	392.7	299.1	209.0	138.6	85.4	50.3	36.4
-52.5°	702.7	597.8	500.7	408.9	320.9	234.0	164.9	100.7	67.9	42.4	32.3
-55°	577.9	492.5	408.9	328.3	248.5	180.9	119.6	80.6	49.8	37.6	28.3
-57.5°	468.0	392.7	320.9	248.5	186.2	130.2	88.3	60.0	41.4	32.6	25.8
-60°	362.2	299.1	234.0	180.9	130.2	90.9	65.1	43.6	35.7	28.0	23.2
-62.5°	262.9	209.0	164.9	119.6	88.3	65.1	44.4	37.2	29.8	24.9	20.5
-65°	177.3	138.6	100.7	80.6	60.0	43.6	37.2	30.6	25.8	21.8	17.9
-67.5°	102.4	85.4	67.9	49.8	41.4	35.7	29.8	25.8	22.3	18.7	15.5
-70°	65.3	50.3	42.4	37.6	32.6	28.0	24.9	21.8	18.7	15.9	13.1
-72.5°	40.4	36.4	32.3	28.3	25.8	23.2	20.5	17.9	15.5	13.1	10.6
-75°	29.1	26.9	24.9	22.7	20.6	18.4	16.4	14.4	12.4	10.3	9.1
-77.5°	22.2	20.6	18.9	17.3	15.8	14.2	12.5	10.9	9.6	8.7	7.8
-80°	16.0	14.8	13.7	12.5	11.2	10.0	9.3	8.6	8.0	7.3	6.5
-82.5°	10.2	9.7	9.2	8.8	8.3	7.8	7.3	6.8	6.3	5.8	5.1
-85°	7.2	6.9	6.6	6.3	6.0	5.7	5.3	4.8	4.4	3.9	3.4
-87.5°	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2	1.9	1.7
-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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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°	1.5	1.2	1.0	0.7	0.5	0.2	0.0
85°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
82.5°	4.4	3.7	3.0	2.2	1.5	0.7	0.0
80°	5.8	4.9	3.9	3.0	2.0	1.0	0.0
77.5°	6.9	6.0	4.9	3.7	2.5	1.2	0.0
75°	8.0	6.9	5.8	4.4	2.9	1.5	0.0
72.5°	9.1	7.8	6.5	5.1	3.4	1.7	0.0
70°	10.3	8.7	7.3	5.8	3.9	1.9	0.0
67.5°	12.4	9.6	8.0	6.3	4.4	2.2	0.0
65°	14.4	10.9	8.6	6.8	4.8	2.4	0.0
62.5°	16.4	12.5	9.3	7.3	5.3	2.6	0.0
60°	18.4	14.2	10.0	7.8	5.7	2.8	0.0
57.5°	20.6	15.8	11.2	8.3	6.0	3.1	0.0
55°	22.7	17.3	12.5	8.8	6.3	3.3	0.0
52.5°	24.9	18.9	13.7	9.2	6.6	3.5	0.0
50°	26.9	20.6	14.8	9.7	6.9	3.7	0.0
47.5°	29.1	22.2	16.0	10.2	7.2	3.9	0.0
45°	32.3	23.8	17.1	11.0	7.5	4.0	0.0
42.5°	35.4	25.3	18.1	11.8	7.7	4.2	0.0
40°	38.4	26.8	19.2	12.5	8.0	4.4	0.0
37.5°	41.2	28.1	20.3	13.2	8.2	4.5	0.0
35°	43.9	30.1	21.3	13.9	8.4	4.7	0.0
32.5°	48.2	32.1	22.3	14.5	8.7	4.8	0.0
30°	56.0	34.1	23.2	15.1	8.8	4.9	0.0
27.5°	63.3	35.9	24.0	15.7	9.0	5.1	0.0
25°	70.1	37.6	24.8	16.2	9.2	5.2	0.0
22.5°	76.2	39.1	25.5	16.6	9.3	5.3	0.0
20°	81.7	40.5	26.2	17.0	9.5	5.4	0.0
17.5°	86.6	41.7	26.7	17.4	9.6	5.4	0.0
15°	90.9	42.7	27.2	17.7	9.7	5.5	0.0
12.5°	94.5	43.6	27.6	18.0	9.8	5.6	0.0
10°	97.5	44.4	28.0	18.2	9.9	5.6	0.0
7.5°	99.8	45.0	28.3	18.4	9.9	5.7	0.0
5°	101.5	45.4	28.4	18.5	10.0	5.7	0.0
2.5°	102.5	45.6	28.6	18.6	10.0	5.7	0.0
0°	102.8	45.7	28.6	18.6	10.0	5.7	0.0
-2.5°	102.5	45.6	28.6	18.6	10.0	5.7	0.0
-5°	101.5	45.4	28.4	18.5	10.0	5.7	0.0
-7.5°	99.8	45.0	28.3	18.4	9.9	5.7	0.0
-10°	97.5	44.4	28.0	18.2	9.9	5.6	0.0
-12.5°	94.5	43.6	27.6	18.0	9.8	5.6	0.0
-15°	90.9	42.7	27.2	17.7	9.7	5.5	0.0
-17.5°	86.6	41.7	26.7	17.4	9.6	5.4	0.0
-20°	81.7	40.5	26.2	17.0	9.5	5.4	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	76.2	39.1	25.5	16.6	9.3	5.3	0.0
-25°	70.1	37.6	24.8	16.2	9.2	5.2	0.0
-27.5°	63.3	35.9	24.0	15.7	9.0	5.1	0.0
-30°	56.0	34.1	23.2	15.1	8.8	4.9	0.0
-32.5°	48.2	32.1	22.3	14.5	8.7	4.8	0.0
-35°	43.9	30.1	21.3	13.9	8.4	4.7	0.0
-37.5°	41.2	28.1	20.3	13.2	8.2	4.5	0.0
-40°	38.4	26.8	19.2	12.5	8.0	4.4	0.0
-42.5°	35.4	25.3	18.1	11.8	7.7	4.2	0.0
-45°	32.3	23.8	17.1	11.0	7.5	4.0	0.0
-47.5°	29.1	22.2	16.0	10.2	7.2	3.9	0.0
-50°	26.9	20.6	14.8	9.7	6.9	3.7	0.0
-52.5°	24.9	18.9	13.7	9.2	6.6	3.5	0.0
-55°	22.7	17.3	12.5	8.8	6.3	3.3	0.0
-57.5°	20.6	15.8	11.2	8.3	6.0	3.1	0.0
-60°	18.4	14.2	10.0	7.8	5.7	2.8	0.0
-62.5°	16.4	12.5	9.3	7.3	5.3	2.6	0.0
-65°	14.4	10.9	8.6	6.8	4.8	2.4	0.0
-67.5°	12.4	9.6	8.0	6.3	4.4	2.2	0.0
-70°	10.3	8.7	7.3	5.8	3.9	1.9	0.0
-72.5°	9.1	7.8	6.5	5.1	3.4	1.7	0.0
-75°	8.0	6.9	5.8	4.4	2.9	1.5	0.0
-77.5°	6.9	6.0	4.9	3.7	2.5	1.2	0.0
-80°	5.8	4.9	3.9	3.0	2.0	1.0	0.0
-82.5°	4.4	3.7	3.0	2.2	1.5	0.7	0.0
-85°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
-87.5°	1.5	1.2	1.0	0.7	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

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

Scaled Data Report

