

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: P701626 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-70-7F-VHE-S**

Issue Date: 8/29/2023

Test Information

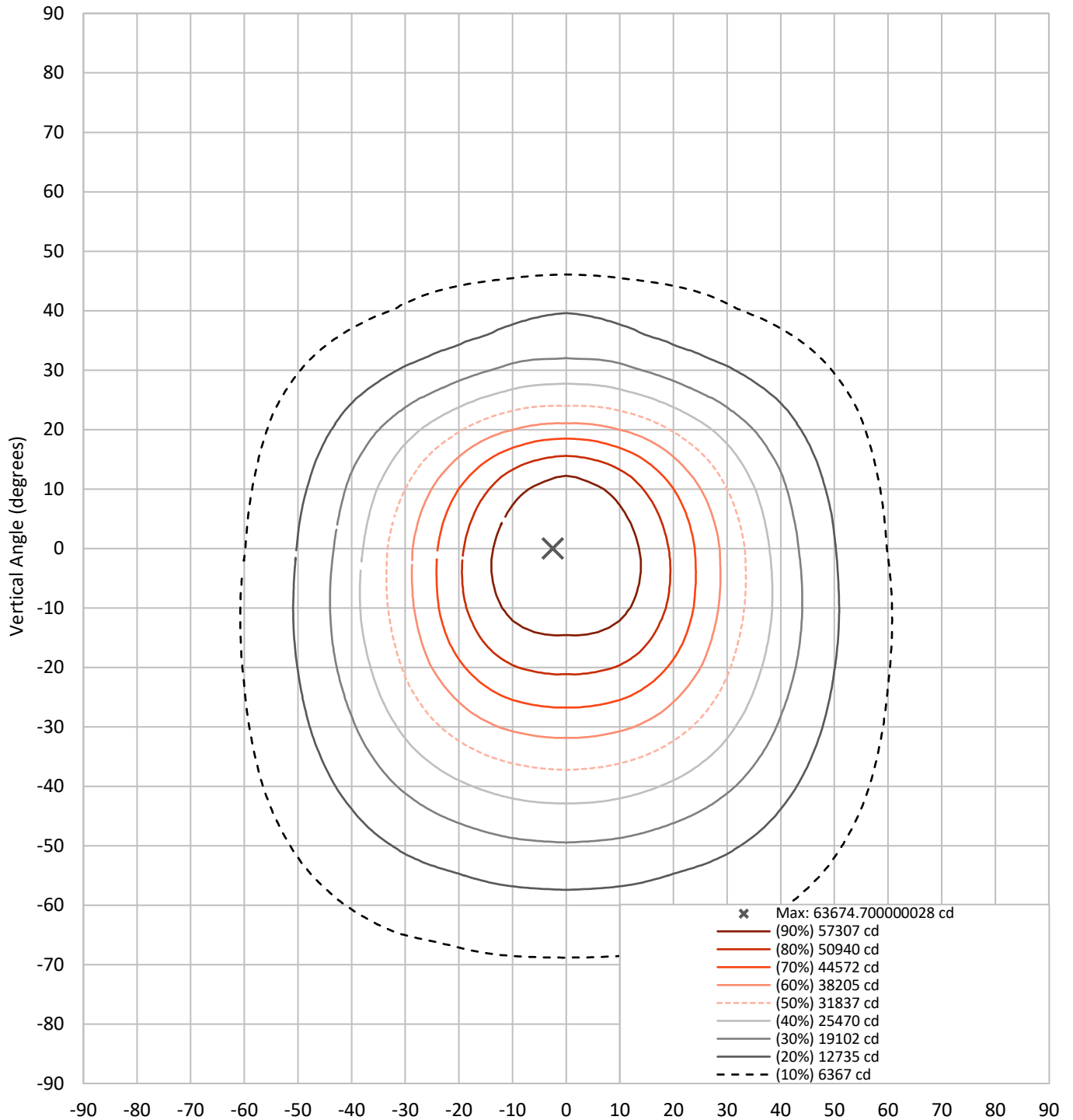
Test Method: LM-79-08
Report Number: P701626 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-6)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-40-70-7F-VHE-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	84710.7 lumens	Max Intensity:	63674.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	121.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	66.6°H x 61.2°V	Field Angle (10%):	119.6°H x 114.9°V
Beam Lumens:	45993.8 lumens	Field Lumens:	79381.6 lumens
Beam Efficiency:	54.3%	Field Efficiency:	93.7%
Input Watts (W):	697.5		
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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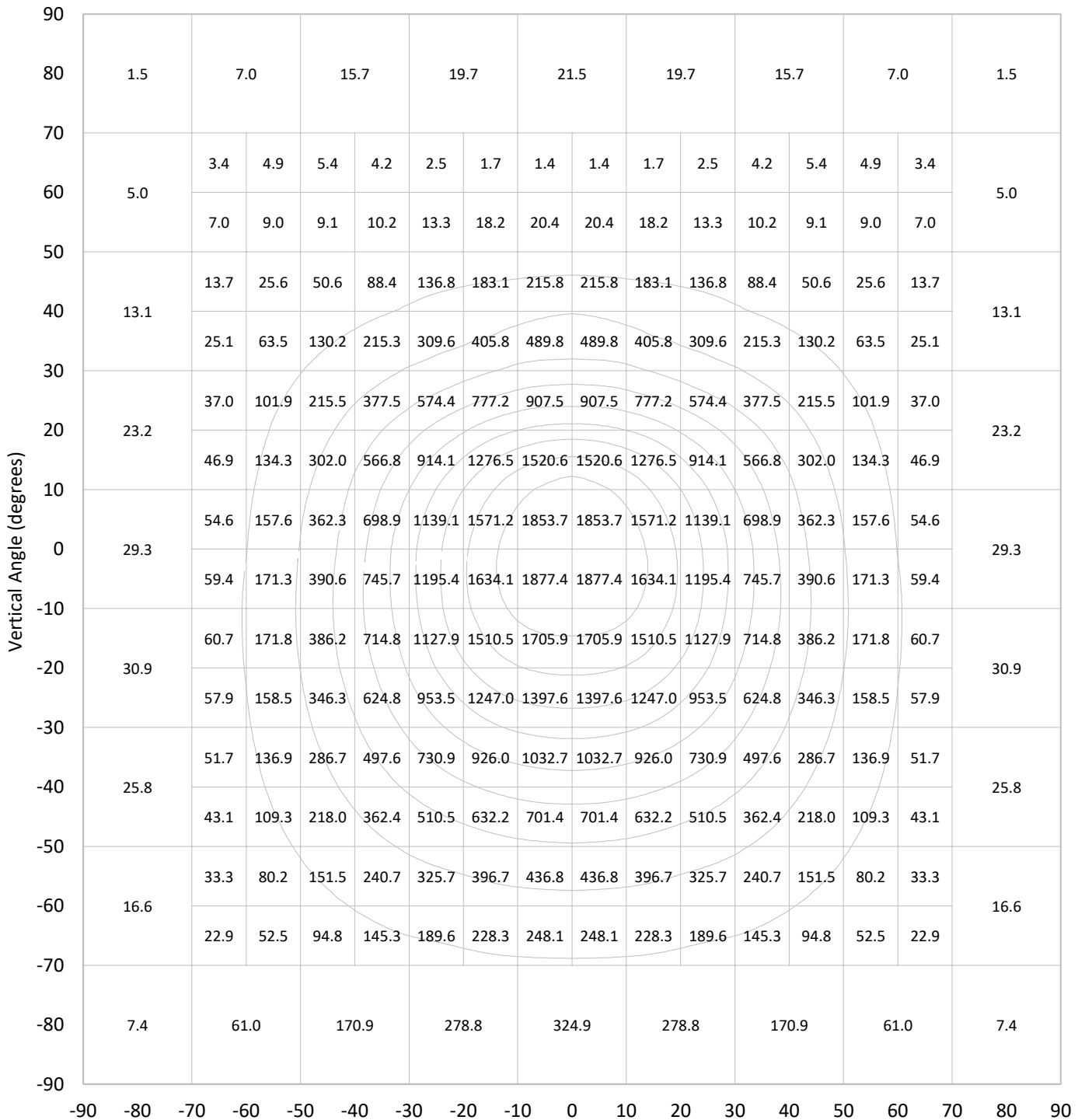
Iso-Candela Plot





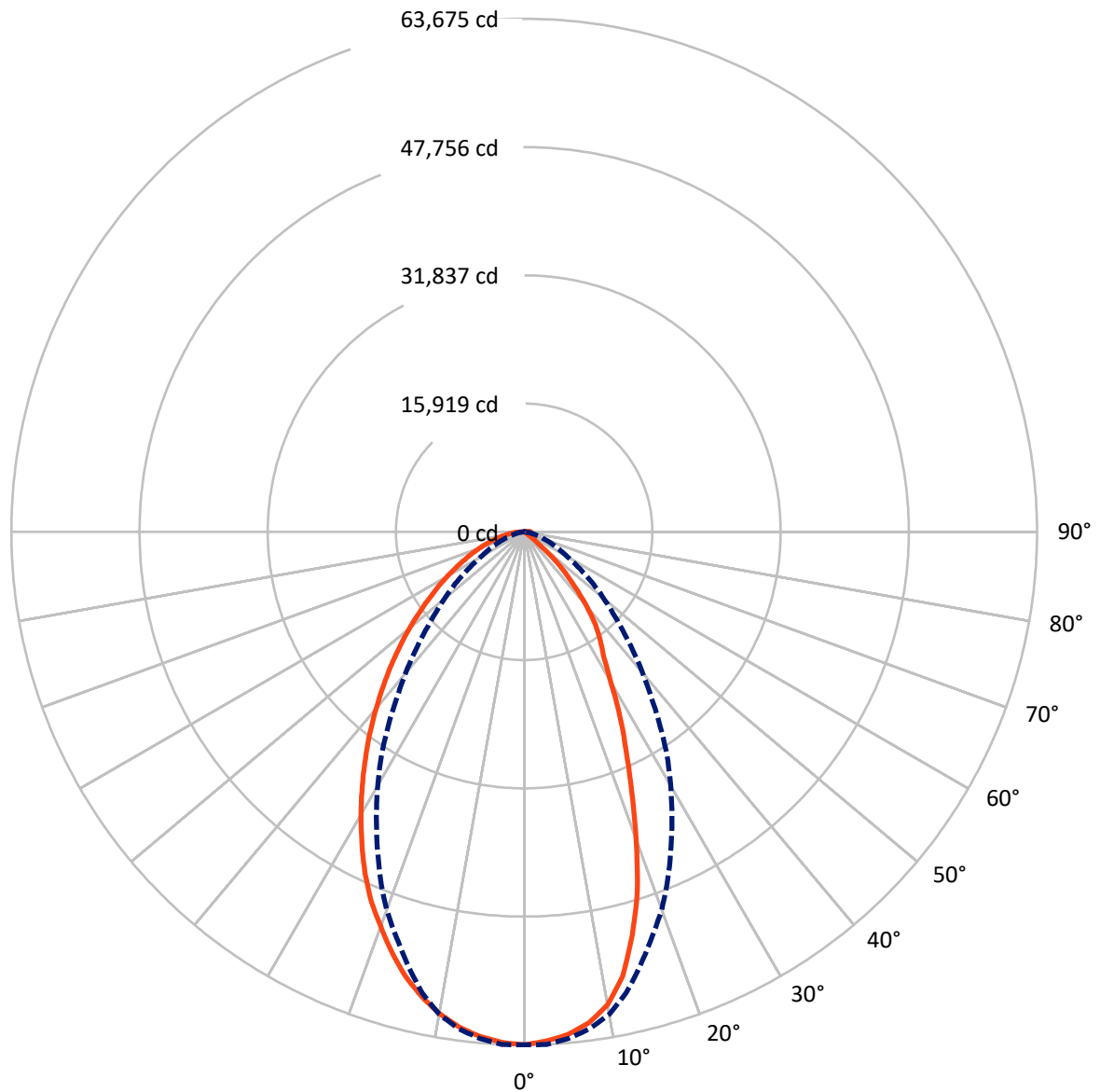
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Lumen Table



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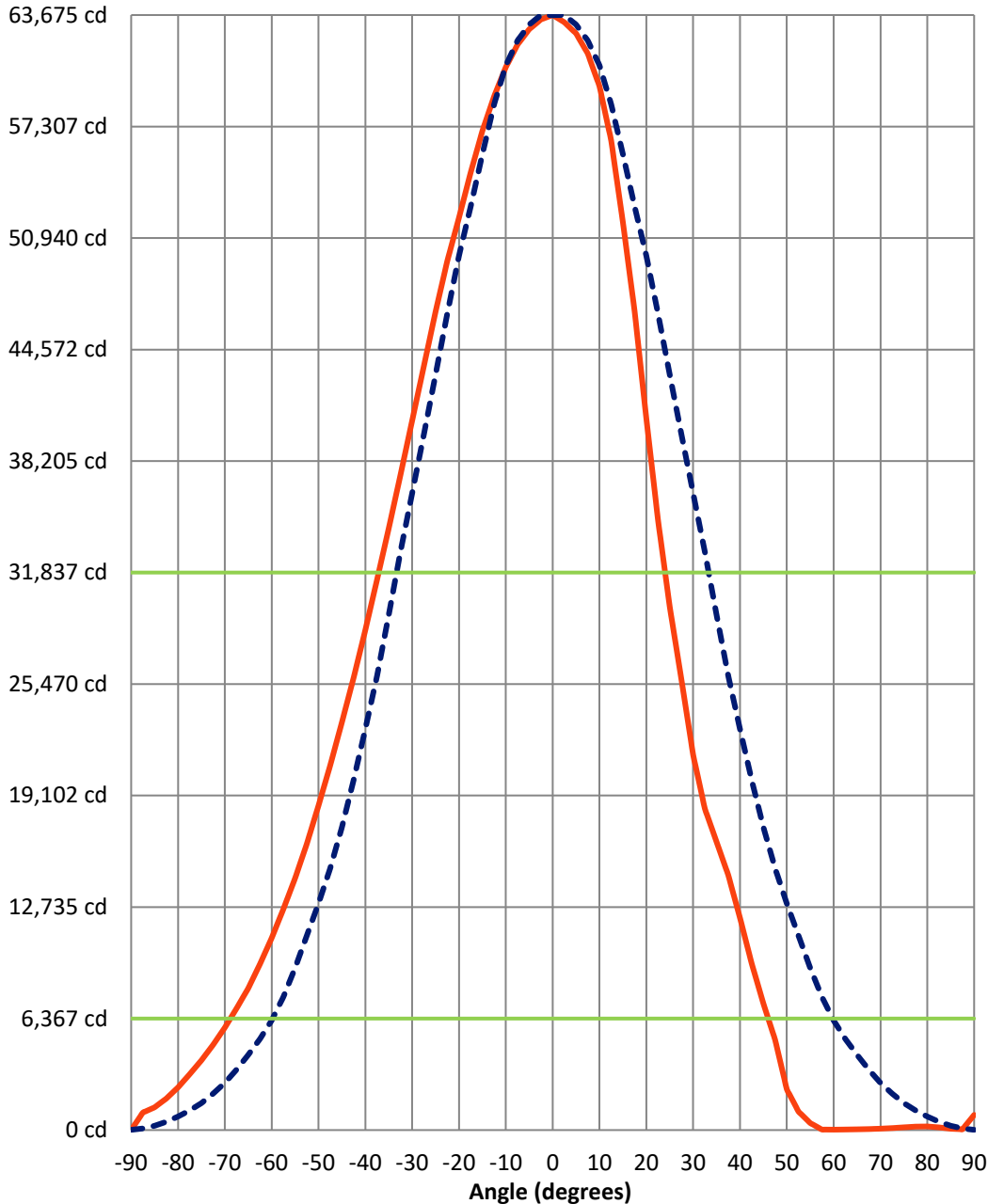
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 66.6°
 V Angle: 61.2°
 Lumens: 45993.8
 Efficiency: 54.3%

Field:
 H Angle: 119.6°
 V Angle: 114.9°
 Lumens: 79381.6
 Efficiency: 93.7%

Spill:
 Lumens: 5329.1
 Efficiency: 6.3%

- Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	13.9	48.6	83.2	128.8	174.3	219.9	265.4	298.6	331.8	364.9	398.1
87.5°	13.9	17.6	20.1	21.8	23.2	24.3	25.0	25.0	24.7	24.1	23.1
85°	13.9	20.4	24.4	27.8	30.6	32.8	34.3	34.7	34.6	33.8	32.4
82.5°	13.9	23.1	28.8	33.8	38.0	41.3	43.6	44.5	45.3	48.6	51.3
80°	13.9	25.9	33.1	39.8	45.4	49.8	53.9	60.8	66.7	71.7	75.7
77.5°	13.9	28.6	37.5	45.8	52.8	61.7	71.7	80.3	88.1	94.8	97.8
75°	13.9	31.3	41.9	51.8	62.0	80.0	89.9	99.8	110.0	116.7	113.4
72.5°	13.9	34.1	46.3	57.7	79.2	98.5	108.6	121.7	136.5	139.5	130.9
70°	13.9	36.8	50.7	65.3	96.5	117.3	129.3	151.2	164.2	164.4	168.1
67.5°	13.9	39.4	55.2	79.9	113.9	136.4	161.0	181.6	193.8	210.7	212.1
65°	13.9	42.1	59.7	94.5	131.4	161.5	193.5	213.0	242.3	259.0	262.6
62.5°	13.9	44.7	64.2	109.0	149.0	192.6	226.9	256.7	292.3	312.5	325.7
60°	13.9	47.3	68.8	123.5	166.8	224.2	261.3	305.8	344.0	380.0	393.0
57.5°	13.9	49.9	79.3	137.9	193.9	256.2	308.7	356.9	409.2	450.6	471.6
55°	13.9	52.5	89.8	152.3	221.6	288.8	358.5	411.6	479.6	527.5	559.5
52.5°	13.9	55.0	100.1	166.6	249.4	323.7	409.2	480.4	552.4	618.8	653.9
50°	13.9	57.4	110.2	180.8	277.2	368.1	460.8	552.2	631.8	714.9	772.7
47.5°	13.9	59.9	120.1	196.6	305.1	412.8	515.0	625.6	724.5	816.0	903.9
45°	13.9	62.3	129.8	217.7	332.9	457.6	579.8	700.5	824.8	946.4	1045.6
42.5°	13.9	64.6	139.3	238.3	360.6	502.6	645.1	785.3	928.3	1084.7	1236.2
40°	13.9	66.8	148.5	258.8	392.1	547.5	710.7	877.4	1041.1	1229.6	1448.2
37.5°	13.9	69.1	157.5	278.7	427.0	592.3	776.6	970.8	1167.1	1384.5	1675.0
35°	13.9	71.2	166.1	298.0	461.3	642.4	842.4	1065.2	1292.0	1565.0	1928.1
32.5°	13.9	73.3	174.5	316.5	495.0	694.7	911.7	1160.3	1415.5	1738.2	2151.0
30°	13.9	75.2	182.5	334.3	527.8	746.1	988.7	1257.5	1537.2	1903.7	2359.9
27.5°	13.9	77.2	190.2	351.4	557.7	796.4	1064.9	1358.9	1664.4	2061.3	2554.7
25°	13.9	79.0	197.5	367.6	586.0	845.4	1139.8	1457.6	1798.4	2222.2	2736.1
22.5°	13.9	80.7	204.4	382.9	612.8	890.7	1213.1	1553.2	1925.2	2377.4	2926.7
20°	13.9	82.3	210.9	397.2	638.0	928.4	1284.4	1645.5	2044.5	2520.4	3106.6
17.5°	13.9	83.9	217.0	410.7	661.6	963.2	1340.4	1734.0	2156.2	2651.3	3274.9
15°	13.9	85.3	222.6	423.0	683.3	995.1	1383.9	1808.4	2260.2	2770.3	3431.1
12.5°	13.9	86.6	227.8	434.3	703.3	1024.0	1422.4	1866.5	2351.8	2877.4	3574.3
10°	13.9	87.7	232.4	444.5	721.3	1049.8	1455.8	1920.4	2434.0	3003.2	3720.2
7.5°	13.9	88.8	236.5	453.6	737.3	1072.5	1484.1	1969.6	2510.3	3127.9	3886.5
5°	13.9	89.7	240.1	461.4	751.2	1092.0	1507.4	2013.3	2579.6	3245.4	4038.6
2.5°	13.9	90.5	243.1	468.1	763.0	1108.2	1525.7	2050.9	2641.1	3353.6	4175.4
0°	13.9	91.1	245.6	473.4	772.5	1121.1	1539.0	2081.7	2693.7	3450.3	4296.1
-2.5°	13.9	92.9	249.4	480.6	785.1	1142.0	1576.0	2132.8	2759.4	3518.1	4372.4
-5°	13.9	94.5	252.6	486.4	795.3	1159.3	1607.6	2176.1	2814.9	3572.5	4431.3
-7.5°	13.9	96.0	255.1	490.8	803.1	1172.9	1633.4	2210.9	2859.7	3613.4	4472.4
-10°	13.9	97.3	257.1	493.8	808.2	1182.5	1652.7	2237.0	2893.4	3641.2	4495.8
-12.5°	13.9	98.5	258.4	495.3	810.7	1188.1	1665.3	2253.9	2915.6	3656.9	4514.2
-15°	13.9	99.4	259.1	495.3	810.4	1189.4	1670.7	2261.3	2923.1	3663.3	4518.6
-17.5°	13.9	100.2	259.1	493.8	807.3	1186.3	1668.5	2256.1	2914.7	3653.7	4501.8
-20°	13.9	100.9	258.5	490.8	801.3	1178.7	1659.3	2239.4	2893.4	3627.6	4463.4



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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°	13.9	101.3	257.3	486.2	792.4	1166.6	1644.7	2213.9	2858.9	3584.8	4403.0
-25°	13.9	101.6	255.4	480.1	780.6	1154.6	1623.6	2179.4	2811.0	3524.9	4320.3
-27.5°	13.9	101.6	252.9	472.4	765.8	1139.7	1596.2	2136.0	2749.6	3452.6	4239.1
-30°	13.9	101.5	249.7	463.1	748.5	1120.0	1562.3	2083.8	2685.0	3372.7	4138.7
-32.5°	13.9	101.2	245.9	452.2	732.8	1095.2	1522.0	2034.0	2615.9	3276.5	4018.2
-35°	13.9	100.8	241.5	439.8	713.9	1065.4	1484.5	1980.0	2536.7	3164.0	3877.8
-37.5°	13.9	100.1	236.4	425.8	691.8	1033.6	1444.3	1918.6	2447.6	3035.5	3731.9
-40°	13.9	99.2	230.7	410.3	666.6	1002.8	1397.6	1850.0	2348.6	2915.1	3578.4
-42.5°	13.9	98.2	224.5	394.2	643.2	967.8	1344.4	1774.3	2254.8	2795.8	3410.4
-45°	13.9	97.0	217.6	378.4	622.2	928.7	1285.0	1696.8	2159.7	2662.2	3232.6
-47.5°	13.9	95.6	210.1	360.9	598.6	885.5	1219.3	1619.3	2056.7	2514.7	3065.1
-50°	13.9	94.0	202.1	348.6	572.7	838.3	1159.7	1534.1	1941.4	2382.3	2880.7
-52.5°	13.9	92.2	193.6	337.1	544.3	787.2	1097.0	1441.6	1824.8	2238.4	2684.1
-55°	13.9	90.3	184.5	324.3	513.7	745.1	1029.5	1344.0	1703.2	2083.5	2507.1
-57.5°	13.9	88.2	174.9	310.4	480.9	702.5	957.3	1257.1	1573.5	1930.0	2317.7
-60°	13.9	85.9	164.8	295.2	446.6	656.9	882.8	1162.0	1441.1	1770.6	2122.7
-62.5°	13.9	83.5	159.6	279.0	422.9	608.5	822.1	1060.7	1321.1	1602.7	1929.9
-65°	13.9	81.0	154.1	261.6	397.5	557.5	757.9	961.9	1195.1	1449.8	1727.9
-67.5°	13.9	78.3	148.2	243.3	370.5	512.3	690.5	876.9	1063.6	1296.2	1541.1
-70°	13.9	75.4	142.0	224.0	342.1	473.3	620.1	788.8	958.2	1136.6	1357.1
-72.5°	13.9	72.4	135.5	212.0	312.3	432.5	564.1	697.6	850.0	1009.5	1175.8
-75°	13.9	69.3	128.7	201.4	281.3	389.9	508.4	620.8	738.6	879.6	1026.3
-77.5°	13.9	66.1	121.7	190.3	262.5	345.7	450.6	547.9	648.4	754.2	873.0
-80°	13.9	62.8	114.4	178.7	245.9	315.4	391.0	473.2	558.4	647.9	741.5
-82.5°	13.9	59.4	106.8	166.8	228.7	292.5	358.0	410.6	466.7	539.6	615.5
-85°	13.9	55.8	99.1	154.4	211.0	268.8	327.8	373.8	420.1	466.8	514.0
-87.5°	13.9	52.2	91.2	141.7	192.9	244.6	296.9	336.5	376.2	416.2	456.4
-90°	13.9	14.9	15.8	15.8	15.8	15.8	15.8	15.3	14.9	14.4	13.9



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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°	427.3	456.6	485.8	515.0	543.7	572.5	601.2	629.9	656.6	683.4	710.1
87.5°	23.7	24.3	24.8	25.3	24.3	23.1	21.8	20.3	22.0	23.8	25.7
85°	33.6	34.7	37.6	39.8	41.4	43.5	46.1	49.2	55.0	60.8	66.5
82.5°	55.8	59.5	62.2	63.9	69.4	76.2	83.5	90.3	96.8	103.1	109.0
80°	80.6	84.5	85.2	86.2	93.4	102.4	111.9	121.8	129.7	137.0	143.9
77.5°	98.7	100.9	103.5	106.5	115.9	128.9	141.9	155.0	164.7	172.5	179.5
75°	113.0	117.0	126.5	132.4	142.9	158.1	173.3	188.0	197.7	203.1	206.6
72.5°	136.1	149.8	158.2	161.4	171.6	189.5	205.6	220.0	227.4	226.4	221.7
70°	171.8	184.5	195.5	199.5	203.9	221.4	234.5	244.8	249.3	240.3	222.5
67.5°	210.2	229.7	239.8	240.3	234.1	249.2	261.0	259.5	251.6	232.0	208.7
65°	259.6	278.2	287.2	283.5	266.7	270.1	269.3	262.3	244.2	217.3	189.2
62.5°	315.0	331.6	338.7	329.3	298.5	285.4	277.8	259.7	232.1	205.7	179.2
60°	385.4	389.1	393.6	376.7	338.0	301.6	287.2	269.2	239.6	203.4	181.7
57.5°	464.3	451.6	453.7	434.8	390.2	325.1	318.7	295.7	270.8	223.1	200.8
55°	555.3	520.6	526.1	508.9	468.0	395.1	370.4	367.1	332.2	294.7	253.4
52.5°	664.6	617.3	616.2	613.5	591.3	528.6	472.0	511.4	533.4	491.5	518.2
50°	787.3	763.8	728.3	769.5	782.6	749.4	699.6	809.6	942.2	1002.8	1001.2
47.5°	950.3	936.4	905.7	980.4	1073.8	1159.3	1180.0	1378.7	1579.4	1801.3	1827.6
45°	1142.2	1177.6	1160.0	1318.7	1518.7	1748.9	1919.8	2112.5	2569.4	2834.4	3227.0
42.5°	1355.3	1458.2	1552.0	1701.9	2173.6	2466.5	2724.3	3208.1	3662.6	4046.9	4452.6
40°	1629.5	1764.9	1969.8	2377.5	2886.1	3225.1	3668.9	4220.2	4680.5	5114.4	5529.7
37.5°	1926.8	2153.0	2430.5	3015.0	3593.6	4018.3	4561.7	5108.6	5631.9	6118.7	6699.4
35°	2241.1	2542.4	2979.4	3590.0	4197.3	4788.8	5386.9	5996.1	6593.2	7260.3	7913.3
32.5°	2583.2	2932.3	3483.8	4132.2	4812.0	5499.2	6194.1	6905.2	7664.2	8442.0	9134.8
30°	2891.8	3366.7	3953.7	4656.9	5424.0	6213.3	7024.2	7842.6	8774.5	9695.2	10526.3
27.5°	3127.6	3764.4	4420.0	5197.3	6037.8	6918.0	7857.5	8871.7	9956.6	11012.0	11998.6
25°	3353.8	4070.6	4867.2	5737.5	6671.2	7660.9	8711.8	9847.2	11178.5	12415.1	13645.8
22.5°	3590.8	4379.0	5238.5	6263.9	7287.8	8414.2	9580.2	10886.9	12358.2	13820.1	15315.6
20°	3842.9	4698.1	5605.2	6686.5	7864.7	9156.3	10397.5	11918.4	13555.1	15253.9	17078.1
17.5°	4088.7	4991.5	5960.5	7100.2	8377.1	9823.8	11185.6	12916.8	14730.5	16673.5	18736.8
15°	4325.5	5258.8	6284.6	7480.6	8872.9	10408.6	12001.3	13898.2	15926.7	18071.7	20238.5
12.5°	4550.5	5500.2	6576.7	7825.9	9335.8	10976.9	12731.4	14726.4	16948.1	19319.2	21681.0
10°	4761.0	5715.6	6836.3	8134.4	9760.4	11518.8	13381.2	15466.7	17776.8	20219.7	22853.9
7.5°	4920.5	5894.5	7065.2	8404.5	10140.9	12023.8	13949.9	16115.5	18477.1	21021.4	23853.2
5°	5042.7	6039.9	7276.9	8716.3	10506.6	12441.6	14417.7	16668.6	19051.1	21711.3	24716.0
2.5°	5135.5	6162.7	7458.3	9006.0	10834.0	12726.3	14722.8	17031.6	19567.5	22355.5	25417.1
0°	5203.2	6260.9	7605.8	9253.7	11099.7	12935.8	14948.1	17295.2	19987.0	22900.6	25934.9
-2.5°	5318.3	6435.0	7812.0	9450.0	11265.5	13140.9	15238.4	17662.3	20384.9	23244.4	26381.4
-5°	5410.3	6578.3	7978.6	9597.7	11373.5	13275.1	15438.4	17917.7	20645.4	23476.0	26611.9
-7.5°	5477.0	6686.6	8103.8	9695.6	11445.6	13383.6	15578.1	18044.7	20742.9	23614.3	26647.9
-10°	5516.5	6737.9	8143.2	9724.7	11484.5	13442.1	15631.7	18063.3	20713.7	23581.8	26549.2
-12.5°	5531.3	6736.7	8131.0	9701.0	11454.7	13414.2	15589.2	17975.1	20561.0	23372.3	26297.6
-15°	5521.5	6702.2	8074.4	9624.0	11353.8	13296.6	15449.7	17782.4	20277.5	22945.4	25788.3
-17.5°	5486.9	6634.1	7972.8	9493.3	11180.4	13086.9	15201.1	17426.0	19870.2	22452.5	25141.3
-20°	5427.6	6532.5	7825.7	9308.7	10943.6	12811.6	14849.8	17003.5	19351.5	21864.3	24416.4



REPORT NUMBER: P701626 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-7F-VHE-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	5343.7	6397.4	7653.8	9100.7	10716.4	12498.7	14430.3	16495.3	18690.5	21162.4	23594.6
-25°	5247.3	6278.1	7474.0	8874.2	10429.3	12132.2	13939.2	15913.7	17985.6	20299.0	22653.3
-27.5°	5137.3	6133.2	7282.5	8602.7	10076.9	11724.7	13452.4	15305.9	17267.8	19347.9	21605.2
-30°	5001.3	5968.5	7053.0	8305.4	9720.0	11281.2	12942.5	14618.0	16476.4	18437.6	20506.7
-32.5°	4840.1	5769.5	6824.1	8016.8	9331.5	10767.9	12347.5	13940.7	15655.3	17470.4	19388.0
-35°	4667.6	5567.5	6569.0	7688.1	8905.3	10251.4	11694.0	13209.6	14786.4	16492.1	18178.9
-37.5°	4494.0	5336.5	6271.2	7340.1	8506.0	9702.0	10999.4	12441.2	13918.9	15426.9	16976.0
-40°	4298.6	5077.1	5974.8	6971.4	8027.1	9136.8	10352.6	11639.4	13013.3	14373.7	15762.3
-42.5°	4085.8	4837.7	5660.7	6550.0	7538.0	8570.6	9661.5	10865.8	12063.2	13298.8	14580.8
-45°	3883.9	4576.2	5326.5	6153.1	7026.3	7981.2	8999.3	10052.0	11129.9	12221.8	13389.0
-47.5°	3666.8	4304.7	5011.3	5727.8	6530.2	7394.4	8310.0	9257.2	10190.8	11192.0	12189.6
-50°	3440.8	4049.8	4658.7	5324.6	6037.2	6812.9	7643.3	8460.0	9313.8	10180.7	11080.0
-52.5°	3214.1	3779.8	4331.3	4914.2	5558.8	6247.6	6971.2	7700.9	8459.6	9222.7	9993.5
-55°	2969.4	3494.3	3994.6	4521.2	5086.5	5703.6	6316.2	6972.7	7630.3	8328.6	8961.9
-57.5°	2737.9	3185.4	3648.7	4129.7	4635.6	5161.0	5705.0	6254.3	6852.8	7454.9	7997.4
-60°	2509.7	2888.4	3292.9	3732.7	4185.5	4650.8	5101.7	5591.9	6098.3	6591.4	7087.8
-62.5°	2273.0	2608.2	2954.1	3327.3	3739.3	4140.2	4547.1	4960.3	5372.7	5810.3	6230.0
-65°	2039.4	2325.4	2632.1	2955.4	3286.7	3648.9	4006.6	4355.5	4724.0	5082.1	5429.8
-67.5°	1795.5	2057.4	2319.9	2589.4	2885.6	3181.3	3478.9	3799.4	4110.6	4403.2	4698.0
-70°	1577.5	1788.3	2020.7	2258.5	2494.2	2736.8	3001.0	3265.9	3525.9	3775.3	4030.5
-72.5°	1360.8	1549.9	1739.9	1930.2	2135.2	2339.4	2545.8	2753.7	2971.0	3188.6	3400.1
-75°	1167.7	1309.5	1474.6	1642.5	1802.5	1958.7	2118.4	2295.1	2468.9	2639.6	2808.7
-77.5°	991.7	1111.3	1235.1	1362.5	1484.3	1615.2	1746.7	1878.4	2008.1	2135.0	2259.3
-80°	826.1	910.1	1009.7	1113.0	1209.7	1305.0	1400.4	1495.6	1591.6	1692.1	1795.8
-82.5°	683.8	752.3	821.5	891.4	955.7	1018.5	1083.5	1157.7	1233.7	1309.2	1383.7
-85°	553.8	593.0	646.1	699.9	751.2	801.9	851.8	901.0	951.5	1001.3	1050.3
-87.5°	490.9	525.1	559.1	593.0	625.7	658.0	690.2	722.0	754.5	786.9	819.3
-90°	13.9	13.9	13.9	13.9	13.4	12.9	12.4	11.9	11.4	10.9	10.4



REPORT NUMBER: P701626 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	736.8	745.2	753.7	762.1	770.5	790.3	810.1	829.9	849.7	854.2	858.6
87.5°	27.7	27.8	27.8	27.7	27.7	32.1	36.7	41.3	46.1	45.6	44.9
85°	72.0	73.1	73.5	73.6	73.2	79.3	85.5	91.5	97.2	93.3	88.8
82.5°	114.7	116.8	118.7	120.8	123.0	129.3	135.6	141.5	147.0	148.9	150.6
80°	150.2	154.1	157.0	159.3	161.0	166.4	172.2	177.7	183.0	188.5	194.2
77.5°	184.5	185.8	185.1	183.3	180.4	181.2	182.5	183.1	183.2	186.1	189.4
75°	208.4	205.7	197.5	188.1	177.5	171.1	166.3	161.4	156.2	155.3	155.7
72.5°	213.7	202.8	189.4	172.7	156.3	144.9	137.2	129.8	122.7	119.3	117.2
70°	202.3	181.5	163.5	145.6	128.2	115.3	107.6	100.6	94.2	90.1	87.2
67.5°	182.1	156.5	137.5	119.2	102.2	88.9	82.1	76.0	70.3	66.1	63.2
65°	161.7	134.4	116.1	98.5	81.3	68.2	63.0	57.9	53.0	49.3	47.2
62.5°	150.4	121.8	102.8	87.4	71.8	56.6	51.2	46.0	40.9	36.9	35.1
60°	154.4	121.9	98.9	84.5	68.5	50.9	44.2	39.4	34.1	29.4	27.7
57.5°	178.6	143.2	108.7	103.1	86.8	60.8	63.3	73.7	65.9	45.5	43.2
55°	273.3	264.4	173.1	224.0	260.5	245.4	229.2	303.4	339.6	341.4	375.0
52.5°	542.9	607.0	583.1	610.9	761.6	822.6	814.6	947.2	1015.9	1006.6	1042.4
50°	1143.2	1274.3	1435.8	1461.8	1714.5	1889.7	1932.0	2085.6	2256.2	2321.5	2395.0
47.5°	2231.0	2538.4	2694.4	2870.3	3161.1	3479.7	3726.6	3947.7	4187.3	4351.2	4548.9
45°	3634.2	3851.4	4122.8	4531.3	4975.2	5391.1	5781.6	6137.6	6372.4	6581.7	6804.0
42.5°	4788.6	5135.5	5590.7	6200.1	6831.6	7258.5	7579.8	7922.8	8289.6	8638.3	8959.8
40°	5970.6	6372.7	7094.9	7785.4	8256.6	8668.6	9108.4	9573.9	10053.4	10510.8	10965.7
37.5°	7237.5	7831.6	8464.1	9067.5	9566.2	9955.9	10558.7	11074.3	11554.8	12236.0	12860.7
35°	8585.5	9231.2	9774.6	10464.9	11022.4	11503.0	12133.8	12783.3	13199.1	14133.5	14942.4
32.5°	9926.6	10679.2	11403.7	12059.2	12751.0	13492.2	14106.0	14997.0	15674.7	16568.4	17447.0
30°	11324.0	12355.7	13260.1	13979.4	14921.9	15880.0	16741.3	17790.4	18789.5	19621.2	20552.4
27.5°	13087.3	14234.4	15337.3	16445.9	17452.6	18649.1	20020.1	21129.9	22408.9	23315.8	24289.6
25°	14958.2	16324.6	17791.6	19220.5	20541.2	22089.1	23643.5	24999.3	26325.0	27369.9	28410.6
22.5°	16992.5	18644.9	20390.8	22189.6	23975.1	25670.9	27339.4	29017.3	30545.3	31981.6	32982.1
20°	19058.5	20893.4	23013.7	25180.9	27236.9	29151.0	31155.9	33277.8	35219.4	36883.9	38116.4
17.5°	20922.2	23223.9	25555.8	27933.7	30252.4	32618.0	35105.5	37601.1	39900.1	41849.3	43485.7
15°	22601.2	25209.0	27908.7	30591.5	33257.8	35981.5	38888.2	41577.0	44153.7	46389.3	48302.5
12.5°	24256.8	27042.2	29936.1	32944.2	36105.1	39054.2	42013.6	44913.0	47613.3	50211.9	52128.6
10°	25722.2	28729.7	31827.9	35051.3	38325.2	41524.6	44643.9	47666.4	50319.5	52773.2	55092.0
7.5°	26916.2	30141.7	33448.3	36838.6	40208.1	43447.8	46624.8	49645.2	52338.1	54852.7	57223.9
5°	27945.9	31367.0	34779.6	38158.2	41548.6	44908.9	48116.4	51094.5	53899.6	56512.6	58888.8
2.5°	28786.4	32353.5	35811.2	39138.8	42515.6	45955.3	49243.7	52120.9	55052.9	57710.6	60049.6
0°	29417.0	33017.8	36365.2	39722.4	43141.1	46619.1	49926.8	52745.3	55730.2	58570.5	60794.8
-2.5°	29761.9	33151.3	36483.1	39851.4	43373.1	46950.8	50254.0	53291.9	56259.6	58922.0	60990.0
-5°	29881.7	33215.9	36535.7	39964.8	43456.0	46977.5	50269.4	53315.2	56165.2	58655.5	60541.6
-7.5°	29801.3	33102.7	36389.3	39784.7	43253.7	46733.2	49972.1	52885.7	55630.2	57989.0	59788.8
-10°	29558.5	32755.6	36043.3	39382.9	42859.3	46294.5	49468.7	52097.2	54717.6	56930.6	58632.3
-12.5°	29157.3	32218.4	35460.8	38726.4	42137.2	45439.2	48397.1	51014.3	53355.8	55597.2	57086.8
-15°	28588.0	31539.4	34639.3	37837.1	41068.5	44262.9	47147.0	49676.6	51845.8	53613.9	55182.6
-17.5°	27874.1	30721.8	33692.3	36756.5	39757.2	42796.3	45469.1	48004.1	50090.7	51664.7	52882.0
-20°	26995.4	29758.9	32599.6	35525.2	38313.2	40897.9	43474.5	45831.7	47894.2	49433.3	50603.2



REPORT NUMBER: P701626 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	26067.8	28675.0	31366.3	34004.2	36543.1	38973.0	41306.5	43469.9	45431.1	46886.3	48005.9
-25°	25012.3	27450.7	29939.1	32321.4	34640.2	36902.5	39017.6	41022.3	42734.2	44149.9	45189.4
-27.5°	23856.5	26126.9	28372.8	30588.4	32739.8	34695.4	36641.6	38451.3	39956.9	41258.7	42179.2
-30°	22593.3	24669.7	26774.6	28851.5	30712.6	32474.3	34203.4	35774.3	37154.3	38297.4	39123.0
-32.5°	21261.2	23158.2	25110.6	26988.6	28620.6	30210.0	31717.7	33094.8	34360.2	35370.3	36114.9
-35°	19884.0	21641.4	23394.7	25018.5	26539.6	27953.4	29252.6	30473.1	31521.5	32442.2	33172.1
-37.5°	18529.3	20112.3	21633.9	23051.7	24457.2	25753.8	26888.6	27959.5	28912.6	29680.5	30320.4
-40°	17200.7	18601.9	19897.3	21159.3	22415.2	23512.8	24543.3	25466.8	26310.3	27044.0	27612.5
-42.5°	15880.0	17086.6	18204.7	19340.4	20426.2	21378.1	22275.4	23075.5	23807.5	24465.0	25016.2
-45°	14554.5	15586.4	16581.6	17580.1	18481.6	19329.5	20109.4	20812.5	21466.3	22020.0	22471.9
-47.5°	13200.6	14116.1	15020.1	15885.3	16633.3	17365.8	18037.3	18668.8	19258.0	19755.9	20155.2
-50°	11907.9	12717.1	13526.6	14241.8	14870.7	15480.7	16048.9	16658.6	17204.1	17657.7	17987.7
-52.5°	10694.3	11426.0	12121.8	12707.6	13239.1	13715.5	14152.0	14718.4	15231.8	15677.3	15969.8
-55°	9589.1	10215.3	10811.8	11295.7	11739.6	12136.9	12533.1	12988.3	13402.7	13773.4	14017.9
-57.5°	8548.7	9079.6	9575.8	9983.3	10353.5	10685.6	11053.5	11434.1	11773.9	12066.5	12263.4
-60°	7562.4	8014.2	8425.8	8761.0	9068.7	9348.3	9698.4	10030.6	10324.4	10562.9	10710.0
-62.5°	6632.0	7037.2	7357.3	7626.8	7872.6	8108.1	8414.0	8701.0	8966.0	9177.6	9300.7
-65°	5780.1	6135.0	6372.8	6586.2	6779.9	6992.0	7252.2	7485.6	7692.5	7849.7	7956.8
-67.5°	5003.5	5284.2	5471.8	5641.3	5807.3	5988.8	6209.6	6413.4	6599.6	6729.1	6809.1
-70°	4280.1	4496.5	4648.5	4792.7	4931.2	5086.9	5267.8	5436.2	5591.7	5692.2	5756.0
-72.5°	3605.2	3770.1	3895.8	4019.8	4131.6	4265.1	4412.6	4550.7	4679.0	4754.6	4803.1
-75°	2975.6	3102.0	3204.9	3300.1	3387.4	3499.8	3619.2	3731.3	3835.7	3893.4	3930.7
-77.5°	2391.7	2488.5	2565.9	2636.9	2701.2	2790.2	2882.1	2968.5	3049.0	3100.4	3141.6
-80°	1897.2	1955.7	2003.3	2047.6	2088.6	2155.1	2222.5	2286.1	2345.7	2379.2	2405.8
-82.5°	1457.2	1492.8	1521.2	1546.0	1567.4	1613.8	1660.0	1703.8	1745.1	1766.7	1785.1
-85°	1098.4	1117.6	1133.7	1148.0	1160.6	1192.8	1224.7	1255.5	1285.1	1291.3	1295.8
-87.5°	851.7	862.1	871.9	881.5	890.7	914.6	938.4	962.0	985.4	989.5	993.2
-90°	9.9	9.4	8.9	8.4	7.9	7.4	6.9	6.4	5.9	5.4	5.0



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 CATALOG NUMBER: EPH-LS-08-0680R-40-70-7F-VHE-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	863.1	867.5	864.6	861.6	864.6	867.5	863.1	858.6	854.2	849.7	829.9
87.5°	44.2	43.5	43.6	43.6	43.6	43.5	44.2	44.9	45.6	46.1	41.3
85°	84.0	79.0	75.2	71.3	75.2	79.0	84.0	88.8	93.3	97.2	91.5
82.5°	152.2	153.6	153.3	152.5	153.3	153.6	152.2	150.6	148.9	147.0	141.5
80°	199.7	205.1	206.8	208.0	206.8	205.1	199.7	194.2	188.5	183.0	177.7
77.5°	192.8	196.1	197.1	198.1	197.1	196.1	192.8	189.4	186.1	183.2	183.1
75°	156.3	157.3	156.7	156.5	156.7	157.3	156.3	155.7	155.3	156.2	161.4
72.5°	115.5	114.1	113.2	112.9	113.2	114.1	115.5	117.2	119.3	122.7	129.8
70°	84.6	82.3	80.5	79.2	80.5	82.3	84.6	87.2	90.1	94.2	100.6
67.5°	60.6	58.4	56.7	55.5	56.7	58.4	60.6	63.2	66.1	70.3	76.0
65°	45.6	44.3	42.8	41.6	42.8	44.3	45.6	47.2	49.3	53.0	57.9
62.5°	33.6	32.4	31.8	31.7	31.8	32.4	33.6	35.1	36.9	40.9	46.0
60°	26.0	24.5	23.9	23.8	23.9	24.5	26.0	27.7	29.4	34.1	39.4
57.5°	39.0	33.4	30.0	27.7	30.0	33.4	39.0	43.2	45.5	65.9	73.7
55°	392.8	393.9	401.8	410.0	401.8	393.9	392.8	375.0	341.4	339.6	303.4
52.5°	1069.9	1066.4	1056.8	1037.9	1056.8	1066.4	1069.9	1042.4	1006.6	1015.9	947.2
50°	2439.1	2404.7	2330.0	2224.3	2330.0	2404.7	2439.1	2395.0	2321.5	2256.2	2085.6
47.5°	4815.2	5014.4	5152.1	5213.1	5152.1	5014.4	4815.2	4548.9	4351.2	4187.3	3947.7
45°	7035.3	7153.4	7222.3	7277.0	7222.3	7153.4	7035.3	6804.0	6581.7	6372.4	6137.6
42.5°	9233.4	9420.6	9512.9	9497.3	9512.9	9420.6	9233.4	8959.8	8638.3	8289.6	7922.8
40°	11402.8	11794.8	12116.5	12347.5	12116.5	11794.8	11402.8	10965.7	10510.8	10053.4	9573.9
37.5°	13478.6	14062.2	14555.3	14912.5	14555.3	14062.2	13478.6	12860.7	12236.0	11554.8	11074.3
35°	15604.1	16118.8	16456.7	16604.0	16456.7	16118.8	15604.1	14942.4	14133.5	13199.1	12783.3
32.5°	18007.2	18293.2	18353.8	18507.4	18353.8	18293.2	18007.2	17447.0	16568.4	15674.7	14997.0
30°	21119.4	21416.6	21423.9	21617.1	21423.9	21416.6	21119.4	20552.4	19621.2	18789.5	17790.4
27.5°	25057.3	25557.9	25720.5	25891.4	25720.5	25557.9	25057.3	24289.6	23315.8	22408.9	21129.9
25°	29274.1	29740.8	29890.2	29832.9	29890.2	29740.8	29274.1	28410.6	27369.9	26325.0	24999.3
22.5°	34007.1	34612.1	34832.2	34721.2	34832.2	34612.1	34007.1	32982.1	31981.6	30545.3	29017.3
20°	39304.3	40177.6	40639.2	40847.4	40639.2	40177.6	39304.3	38116.4	36883.9	35219.4	33277.8
17.5°	44880.1	46166.9	46757.9	46932.1	46757.9	46166.9	44880.1	43485.7	41849.3	39900.1	37601.1
15°	49952.5	51076.1	51842.5	52236.3	51842.5	51076.1	49952.5	48302.5	46389.3	44153.7	41577.0
12.5°	53874.6	55306.7	56500.4	57140.5	56500.4	55306.7	53874.6	52128.6	50211.9	47613.3	44913.0
10°	57071.7	58517.7	59603.1	60129.3	59603.1	58517.7	57071.7	55092.0	52773.2	50319.5	47666.4
7.5°	59283.7	60627.5	61470.1	61814.9	61470.1	60627.5	59283.7	57223.9	54852.7	52338.1	49645.2
5°	60713.4	61998.3	62621.2	62844.8	62621.2	61998.3	60713.4	58888.8	56512.6	53899.6	51094.5
2.5°	61742.8	62759.5	63258.3	63290.5	63258.3	62759.5	61742.8	60049.6	57710.6	55052.9	52120.9
0°	62213.0	63128.0	63674.7	63664.8	63674.7	63128.0	62213.0	60794.8	58570.5	55730.2	52745.3
-2.5°	62235.7	63031.9	63420.3	63201.3	63420.3	63031.9	62235.7	60990.0	58922.0	56259.6	53291.9
-5°	61791.9	62571.1	62862.2	62795.3	62862.2	62571.1	61791.9	60541.6	58655.5	56165.2	53315.2
-7.5°	60995.0	61686.3	61983.5	61993.1	61983.5	61686.3	60995.0	59788.8	57989.0	55630.2	52885.7
-10°	59779.7	60357.4	60697.8	60600.7	60697.8	60357.4	59779.7	58632.3	56930.6	54717.6	52097.2
-12.5°	58172.1	58742.3	59031.0	58972.6	59031.0	58742.3	58172.1	57086.8	55597.2	53355.8	51014.3
-15°	56249.1	56791.0	57061.5	57035.5	57061.5	56791.0	56249.1	55182.6	53613.9	51845.8	49676.6
-17.5°	53868.3	54411.4	54688.3	54726.0	54688.3	54411.4	53868.3	52882.0	51664.7	50090.7	48004.1
-20°	51373.2	51852.3	52105.8	52109.6	52105.8	51852.3	51373.2	50603.2	49433.3	47894.2	45831.7



REPORT NUMBER: P701626 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	48786.8	49324.7	49625.7	49580.2	49625.7	49324.7	48786.8	48005.9	46886.3	45431.1	43469.9
-25°	45904.0	46443.1	46735.7	46724.1	46735.7	46443.1	45904.0	45189.4	44149.9	42734.2	41022.3
-27.5°	42826.4	43344.5	43627.0	43662.0	43627.0	43344.5	42826.4	42179.2	41258.7	39956.9	38451.3
-30°	39726.3	40237.1	40513.8	40536.5	40513.8	40237.1	39726.3	39123.0	38297.4	37154.3	35774.3
-32.5°	36688.7	37149.9	37405.4	37432.8	37405.4	37149.9	36688.7	36114.9	35370.3	34360.2	33094.8
-35°	33725.0	34130.3	34359.6	34434.0	34359.6	34130.3	33725.0	33172.1	32442.2	31521.5	30473.1
-37.5°	30840.6	31207.0	31428.5	31564.0	31428.5	31207.0	30840.6	30320.4	29680.5	28912.6	27959.5
-40°	28054.6	28375.6	28552.2	28555.4	28552.2	28375.6	28054.6	27612.5	27044.0	26310.3	25466.8
-42.5°	25424.6	25694.8	25829.8	25831.9	25829.8	25694.8	25424.6	25016.2	24465.0	23807.5	23075.5
-45°	22835.9	23100.2	23287.3	23405.6	23287.3	23100.2	22835.9	22471.9	22020.0	21466.3	20812.5
-47.5°	20459.8	20676.5	20825.1	20906.0	20825.1	20676.5	20459.8	20155.2	19755.9	19258.0	18668.8
-50°	18229.5	18402.7	18529.4	18604.5	18529.4	18402.7	18229.5	17987.7	17657.7	17204.1	16658.6
-52.5°	16168.4	16294.9	16340.3	16310.8	16340.3	16294.9	16168.4	15969.8	15677.3	15231.8	14718.4
-55°	14201.2	14327.3	14377.7	14359.9	14377.7	14327.3	14201.2	14017.9	13773.4	13402.7	12988.3
-57.5°	12418.4	12530.2	12619.6	12674.3	12619.6	12530.2	12418.4	12263.4	12066.5	11773.9	11434.1
-60°	10825.8	10908.5	10964.6	10986.8	10964.6	10908.5	10825.8	10710.0	10562.9	10324.4	10030.6
-62.5°	9387.1	9438.6	9478.6	9495.4	9478.6	9438.6	9387.1	9300.7	9177.6	8966.0	8701.0
-65°	8042.2	8104.9	8097.4	8053.4	8097.4	8104.9	8042.2	7956.8	7849.7	7692.5	7485.6
-67.5°	6869.6	6910.4	6945.5	6964.0	6945.5	6910.4	6869.6	6809.1	6729.1	6599.6	6413.4
-70°	5804.8	5838.2	5850.7	5846.9	5850.7	5838.2	5804.8	5756.0	5692.2	5591.7	5436.2
-72.5°	4839.7	4864.2	4869.0	4860.6	4869.0	4864.2	4839.7	4803.1	4754.6	4679.0	4550.7
-75°	3957.3	3973.5	3981.7	3981.2	3981.7	3973.5	3957.3	3930.7	3893.4	3835.7	3731.3
-77.5°	3176.0	3203.4	3191.8	3171.1	3191.8	3203.4	3176.0	3141.6	3100.4	3049.0	2968.5
-80°	2427.5	2444.2	2435.1	2420.4	2435.1	2444.2	2427.5	2405.8	2379.2	2345.7	2286.1
-82.5°	1801.0	1814.2	1799.1	1780.6	1799.1	1814.2	1801.0	1785.1	1766.7	1745.1	1703.8
-85°	1299.0	1301.0	1299.7	1297.3	1299.7	1301.0	1299.0	1295.8	1291.3	1285.1	1255.5
-87.5°	996.6	999.7	997.1	994.3	997.1	999.7	996.6	993.2	989.5	985.4	962.0
-90°	4.5	4.0	5.0	5.9	5.0	4.0	4.5	5.0	5.4	5.9	6.4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	810.1	790.3	770.5	762.1	753.7	745.2	736.8	710.1	683.4	656.6	629.9
87.5°	36.7	32.1	27.7	27.7	27.8	27.8	27.7	25.7	23.8	22.0	20.3
85°	85.5	79.3	73.2	73.6	73.5	73.1	72.0	66.5	60.8	55.0	49.2
82.5°	135.6	129.3	123.0	120.8	118.7	116.8	114.7	109.0	103.1	96.8	90.3
80°	172.2	166.4	161.0	159.3	157.0	154.1	150.2	143.9	137.0	129.7	121.8
77.5°	182.5	181.2	180.4	183.3	185.1	185.8	184.5	179.5	172.5	164.7	155.0
75°	166.3	171.1	177.5	188.1	197.5	205.7	208.4	206.6	203.1	197.7	188.0
72.5°	137.2	144.9	156.3	172.7	189.4	202.8	213.7	221.7	226.4	227.4	220.0
70°	107.6	115.3	128.2	145.6	163.5	181.5	202.3	222.5	240.3	249.3	244.8
67.5°	82.1	88.9	102.2	119.2	137.5	156.5	182.1	208.7	232.0	251.6	259.5
65°	63.0	68.2	81.3	98.5	116.1	134.4	161.7	189.2	217.3	244.2	262.3
62.5°	51.2	56.6	71.8	87.4	102.8	121.8	150.4	179.2	205.7	232.1	259.7
60°	44.2	50.9	68.5	84.5	98.9	121.9	154.4	181.7	203.4	239.6	269.2
57.5°	63.3	60.8	86.8	103.1	108.7	143.2	178.6	200.8	223.1	270.8	295.7
55°	229.2	245.4	260.5	224.0	173.1	264.4	273.3	253.4	294.7	332.2	367.1
52.5°	814.6	822.6	761.6	610.9	583.1	607.0	542.9	518.2	491.5	533.4	511.4
50°	1932.0	1889.7	1714.5	1461.8	1435.8	1274.3	1143.2	1001.2	1002.8	942.2	809.6
47.5°	3726.6	3479.7	3161.1	2870.3	2694.4	2538.4	2231.0	1827.6	1801.3	1579.4	1378.7
45°	5781.6	5391.1	4975.2	4531.3	4122.8	3851.4	3634.2	3227.0	2834.4	2569.4	2112.5
42.5°	7579.8	7258.5	6831.6	6200.1	5590.7	5135.5	4788.6	4452.6	4046.9	3662.6	3208.1
40°	9108.4	8668.6	8256.6	7785.4	7094.9	6372.7	5970.6	5529.7	5114.4	4680.5	4220.2
37.5°	10558.7	9955.9	9566.2	9067.5	8464.1	7831.6	7237.5	6699.4	6118.7	5631.9	5108.6
35°	12133.8	11503.0	11022.4	10464.9	9774.6	9231.2	8585.5	7913.3	7260.3	6593.2	5996.1
32.5°	14106.0	13492.2	12751.0	12059.2	11403.7	10679.2	9926.6	9134.8	8442.0	7664.2	6905.2
30°	16741.3	15880.0	14921.9	13979.4	13260.1	12355.7	11324.0	10526.3	9695.2	8774.5	7842.6
27.5°	20020.1	18649.1	17452.6	16445.9	15337.3	14234.4	13087.3	11998.6	11012.0	9956.6	8871.7
25°	23643.5	22089.1	20541.2	19220.5	17791.6	16324.6	14958.2	13645.8	12415.1	11178.5	9847.2
22.5°	27339.4	25670.9	23975.1	22189.6	20390.8	18644.9	16992.5	15315.6	13820.1	12358.2	10886.9
20°	31155.9	29151.0	27236.9	25180.9	23013.7	20893.4	19058.5	17078.1	15253.9	13555.1	11918.4
17.5°	35105.5	32618.0	30252.4	27933.7	25555.8	23223.9	20922.2	18736.8	16673.5	14730.5	12916.8
15°	38888.2	35981.5	33257.8	30591.5	27908.7	25209.0	22601.2	20238.5	18071.7	15926.7	13898.2
12.5°	42013.6	39054.2	36105.1	32944.2	29936.1	27042.2	24256.8	21681.0	19319.2	16948.1	14726.4
10°	44643.9	41524.6	38325.2	35051.3	31827.9	28729.7	25722.2	22853.9	20219.7	17776.8	15466.7
7.5°	46624.8	43447.8	40208.1	36838.6	33448.3	30141.7	26916.2	23853.2	21021.4	18477.1	16115.5
5°	48116.4	44908.9	41548.6	38158.2	34779.6	31367.0	27945.9	24716.0	21711.3	19051.1	16668.6
2.5°	49243.7	45955.3	42515.6	39138.8	35811.2	32353.5	28786.4	25417.1	22355.5	19567.5	17031.6
0°	49926.8	46619.1	43141.1	39722.4	36365.2	33017.8	29417.0	25934.9	22900.6	19987.0	17295.2
-2.5°	50254.0	46950.8	43373.1	39851.4	36483.1	33151.3	29761.9	26381.4	23244.4	20384.9	17662.3
-5°	50269.4	46977.5	43456.0	39964.8	36535.7	33215.9	29881.7	26611.9	23476.0	20645.4	17917.7
-7.5°	49972.1	46733.2	43253.7	39784.7	36389.3	33102.7	29801.3	26647.9	23614.3	20742.9	18044.7
-10°	49468.7	46294.5	42859.3	39382.9	36043.3	32755.6	29558.5	26549.2	23581.8	20713.7	18063.3
-12.5°	48397.1	45439.2	42137.2	38726.4	35460.8	32218.4	29157.3	26297.6	23372.3	20561.0	17975.1
-15°	47147.0	44262.9	41068.5	37837.1	34639.3	31539.4	28588.0	25788.3	22945.4	20277.5	17782.4
-17.5°	45469.1	42796.3	39757.2	36756.5	33692.3	30721.8	27874.1	25141.3	22452.5	19870.2	17426.0
-20°	43474.5	40897.9	38313.2	35525.2	32599.6	29758.9	26995.4	24416.4	21864.3	19351.5	17003.5



REPORT NUMBER: P701626 (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°	41306.5	38973.0	36543.1	34004.2	31366.3	28675.0	26067.8	23594.6	21162.4	18690.5	16495.3
-25°	39017.6	36902.5	34640.2	32321.4	29939.1	27450.7	25012.3	22653.3	20299.0	17985.6	15913.7
-27.5°	36641.6	34695.4	32739.8	30588.4	28372.8	26126.9	23856.5	21605.2	19347.9	17267.8	15305.9
-30°	34203.4	32474.3	30712.6	28851.5	26774.6	24669.7	22593.3	20506.7	18437.6	16476.4	14618.0
-32.5°	31717.7	30210.0	28620.6	26988.6	25110.6	23158.2	21261.2	19388.0	17470.4	15655.3	13940.7
-35°	29252.6	27953.4	26539.6	25018.5	23394.7	21641.4	19884.0	18178.9	16492.1	14786.4	13209.6
-37.5°	26888.6	25753.8	24457.2	23051.7	21633.9	20112.3	18529.3	16976.0	15426.9	13918.9	12441.2
-40°	24543.3	23512.8	22415.2	21159.3	19897.3	18601.9	17200.7	15762.3	14373.7	13013.3	11639.4
-42.5°	22275.4	21378.1	20426.2	19340.4	18204.7	17086.6	15880.0	14580.8	13298.8	12063.2	10865.8
-45°	20109.4	19329.5	18481.6	17580.1	16581.6	15586.4	14554.5	13389.0	12221.8	11129.9	10052.0
-47.5°	18037.3	17365.8	16633.3	15885.3	15020.1	14116.1	13200.6	12189.6	11192.0	10190.8	9257.2
-50°	16048.9	15480.7	14870.7	14241.8	13526.6	12717.1	11907.9	11080.0	10180.7	9313.8	8460.0
-52.5°	14152.0	13715.5	13239.1	12707.6	12121.8	11426.0	10694.3	9993.5	9222.7	8459.6	7700.9
-55°	12533.1	12136.9	11739.6	11295.7	10811.8	10215.3	9589.1	8961.9	8328.6	7630.3	6972.7
-57.5°	11053.5	10685.6	10353.5	9983.3	9575.8	9079.6	8548.7	7997.4	7454.9	6852.8	6254.3
-60°	9698.4	9348.3	9068.7	8761.0	8425.8	8014.2	7562.4	7087.8	6591.4	6098.3	5591.9
-62.5°	8414.0	8108.1	7872.6	7626.8	7357.3	7037.2	6632.0	6230.0	5810.3	5372.7	4960.3
-65°	7252.2	6992.0	6779.9	6586.2	6372.8	6135.0	5780.1	5429.8	5082.1	4724.0	4355.5
-67.5°	6209.6	5988.8	5807.3	5641.3	5471.8	5284.2	5003.5	4698.0	4403.2	4110.6	3799.4
-70°	5267.8	5086.9	4931.2	4792.7	4648.5	4496.5	4280.1	4030.5	3775.3	3525.9	3265.9
-72.5°	4412.6	4265.1	4131.6	4019.8	3895.8	3770.1	3605.2	3400.1	3188.6	2971.0	2753.7
-75°	3619.2	3499.8	3387.4	3300.1	3204.9	3102.0	2975.6	2808.7	2639.6	2468.9	2295.1
-77.5°	2882.1	2790.2	2701.2	2636.9	2565.9	2488.5	2391.7	2259.3	2135.0	2008.1	1878.4
-80°	2222.5	2155.1	2088.6	2047.6	2003.3	1955.7	1897.2	1795.8	1692.1	1591.6	1495.6
-82.5°	1660.0	1613.8	1567.4	1546.0	1521.2	1492.8	1457.2	1383.7	1309.2	1233.7	1157.7
-85°	1224.7	1192.8	1160.6	1148.0	1133.7	1117.6	1098.4	1050.3	1001.3	951.5	901.0
-87.5°	938.4	914.6	890.7	881.5	871.9	862.1	851.7	819.3	786.9	754.5	722.0
-90°	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9



REPORT NUMBER: P701626 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	601.2	572.5	543.7	515.0	485.8	456.6	427.3	398.1	364.9	331.8	298.6
87.5°	21.8	23.1	24.3	25.3	24.8	24.3	23.7	23.1	24.1	24.7	25.0
85°	46.1	43.5	41.4	39.8	37.6	34.7	33.6	32.4	33.8	34.6	34.7
82.5°	83.5	76.2	69.4	63.9	62.2	59.5	55.8	51.3	48.6	45.3	44.5
80°	111.9	102.4	93.4	86.2	85.2	84.5	80.6	75.7	71.7	66.7	60.8
77.5°	141.9	128.9	115.9	106.5	103.5	100.9	98.7	97.8	94.8	88.1	80.3
75°	173.3	158.1	142.9	132.4	126.5	117.0	113.0	113.4	116.7	110.0	99.8
72.5°	205.6	189.5	171.6	161.4	158.2	149.8	136.1	130.9	139.5	136.5	121.7
70°	234.5	221.4	203.9	199.5	195.5	184.5	171.8	168.1	164.4	164.2	151.2
67.5°	261.0	249.2	234.1	240.3	239.8	229.7	210.2	212.1	210.7	193.8	181.6
65°	269.3	270.1	266.7	283.5	287.2	278.2	259.6	262.6	259.0	242.3	213.0
62.5°	277.8	285.4	298.5	329.3	338.7	331.6	315.0	325.7	312.5	292.3	256.7
60°	287.2	301.6	338.0	376.7	393.6	389.1	385.4	393.0	380.0	344.0	305.8
57.5°	318.7	325.1	390.2	434.8	453.7	451.6	464.3	471.6	450.6	409.2	356.9
55°	370.4	395.1	468.0	508.9	526.1	520.6	555.3	559.5	527.5	479.6	411.6
52.5°	472.0	528.6	591.3	613.5	616.2	617.3	664.6	653.9	618.8	552.4	480.4
50°	699.6	749.4	782.6	769.5	728.3	763.8	787.3	772.7	714.9	631.8	552.2
47.5°	1180.0	1159.3	1073.8	980.4	905.7	936.4	950.3	903.9	816.0	724.5	625.6
45°	1919.8	1748.9	1518.7	1318.7	1160.0	1177.6	1142.2	1045.6	946.4	824.8	700.5
42.5°	2724.3	2466.5	2173.6	1701.9	1552.0	1458.2	1355.3	1236.2	1084.7	928.3	785.3
40°	3668.9	3225.1	2886.1	2377.5	1969.8	1764.9	1629.5	1448.2	1229.6	1041.1	877.4
37.5°	4561.7	4018.3	3593.6	3015.0	2430.5	2153.0	1926.8	1675.0	1384.5	1167.1	970.8
35°	5386.9	4788.8	4197.3	3590.0	2979.4	2542.4	2241.1	1928.1	1565.0	1292.0	1065.2
32.5°	6194.1	5499.2	4812.0	4132.2	3483.8	2932.3	2583.2	2151.0	1738.2	1415.5	1160.3
30°	7024.2	6213.3	5424.0	4656.9	3953.7	3366.7	2891.8	2359.9	1903.7	1537.2	1257.5
27.5°	7857.5	6918.0	6037.8	5197.3	4420.0	3764.4	3127.6	2554.7	2061.3	1664.4	1358.9
25°	8711.8	7660.9	6671.2	5737.5	4867.2	4070.6	3353.8	2736.1	2222.2	1798.4	1457.6
22.5°	9580.2	8414.2	7287.8	6263.9	5238.5	4379.0	3590.8	2926.7	2377.4	1925.2	1553.2
20°	10397.5	9156.3	7864.7	6686.5	5605.2	4698.1	3842.9	3106.6	2520.4	2044.5	1645.5
17.5°	11185.6	9823.8	8377.1	7100.2	5960.5	4991.5	4088.7	3274.9	2651.3	2156.2	1734.0
15°	12001.3	10408.6	8872.9	7480.6	6284.6	5258.8	4325.5	3431.1	2770.3	2260.2	1808.4
12.5°	12731.4	10976.9	9335.8	7825.9	6576.7	5500.2	4550.5	3574.3	2877.4	2351.8	1866.5
10°	13381.2	11518.8	9760.4	8134.4	6836.3	5715.6	4761.0	3720.2	3003.2	2434.0	1920.4
7.5°	13949.9	12023.8	10140.9	8404.5	7065.2	5894.5	4920.5	3886.5	3127.9	2510.3	1969.6
5°	14417.7	12441.6	10506.6	8716.3	7276.9	6039.9	5042.7	4038.6	3245.4	2579.6	2013.3
2.5°	14722.8	12726.3	10834.0	9006.0	7458.3	6162.7	5135.5	4175.4	3353.6	2641.1	2050.9
0°	14948.1	12935.8	11099.7	9253.7	7605.8	6260.9	5203.2	4296.1	3450.3	2693.7	2081.7
-2.5°	15238.4	13140.9	11265.5	9450.0	7812.0	6435.0	5318.3	4372.4	3518.1	2759.4	2132.8
-5°	15438.4	13275.1	11373.5	9597.7	7978.6	6578.3	5410.3	4431.3	3572.5	2814.9	2176.1
-7.5°	15578.1	13383.6	11445.6	9695.6	8103.8	6686.6	5477.0	4472.4	3613.4	2859.7	2210.9
-10°	15631.7	13442.1	11484.5	9724.7	8143.2	6737.9	5516.5	4495.8	3641.2	2893.4	2237.0
-12.5°	15589.2	13414.2	11454.7	9701.0	8131.0	6736.7	5531.3	4514.2	3656.9	2915.6	2253.9
-15°	15449.7	13296.6	11353.8	9624.0	8074.4	6702.2	5521.5	4518.6	3663.3	2923.1	2261.3
-17.5°	15201.1	13086.9	11180.4	9493.3	7972.8	6634.1	5486.9	4501.8	3653.7	2914.7	2256.1
-20°	14849.8	12811.6	10943.6	9308.7	7825.7	6532.5	5427.6	4463.4	3627.6	2893.4	2239.4



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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°	14430.3	12498.7	10716.4	9100.7	7653.8	6397.4	5343.7	4403.0	3584.8	2858.9	2213.9
-25°	13939.2	12132.2	10429.3	8874.2	7474.0	6278.1	5247.3	4320.3	3524.9	2811.0	2179.4
-27.5°	13452.4	11724.7	10076.9	8602.7	7282.5	6133.2	5137.3	4239.1	3452.6	2749.6	2136.0
-30°	12942.5	11281.2	9720.0	8305.4	7053.0	5968.5	5001.3	4138.7	3372.7	2685.0	2083.8
-32.5°	12347.5	10767.9	9331.5	8016.8	6824.1	5769.5	4840.1	4018.2	3276.5	2615.9	2034.0
-35°	11694.0	10251.4	8905.3	7688.1	6569.0	5567.5	4667.6	3877.8	3164.0	2536.7	1980.0
-37.5°	10999.4	9702.0	8506.0	7340.1	6271.2	5336.5	4494.0	3731.9	3035.5	2447.6	1918.6
-40°	10352.6	9136.8	8027.1	6971.4	5974.8	5077.1	4298.6	3578.4	2915.1	2348.6	1850.0
-42.5°	9661.5	8570.6	7538.0	6550.0	5660.7	4837.7	4085.8	3410.4	2795.8	2254.8	1774.3
-45°	8999.3	7981.2	7026.3	6153.1	5326.5	4576.2	3883.9	3232.6	2662.2	2159.7	1696.8
-47.5°	8310.0	7394.4	6530.2	5727.8	5011.3	4304.7	3666.8	3065.1	2514.7	2056.7	1619.3
-50°	7643.3	6812.9	6037.2	5324.6	4658.7	4049.8	3440.8	2880.7	2382.3	1941.4	1534.1
-52.5°	6971.2	6247.6	5558.8	4914.2	4331.3	3779.8	3214.1	2684.1	2238.4	1824.8	1441.6
-55°	6316.2	5703.6	5086.5	4521.2	3994.6	3494.3	2969.4	2507.1	2083.5	1703.2	1344.0
-57.5°	5705.0	5161.0	4635.6	4129.7	3648.7	3185.4	2737.9	2317.7	1930.0	1573.5	1257.1
-60°	5101.7	4650.8	4185.5	3732.7	3292.9	2888.4	2509.7	2122.7	1770.6	1441.1	1162.0
-62.5°	4547.1	4140.2	3739.3	3327.3	2954.1	2608.2	2273.0	1929.9	1602.7	1321.1	1060.7
-65°	4006.6	3648.9	3286.7	2955.4	2632.1	2325.4	2039.4	1727.9	1449.8	1195.1	961.9
-67.5°	3478.9	3181.3	2885.6	2589.4	2319.9	2057.4	1795.5	1541.1	1296.2	1063.6	876.9
-70°	3001.0	2736.8	2494.2	2258.5	2020.7	1788.3	1577.5	1357.1	1136.6	958.2	788.8
-72.5°	2545.8	2339.4	2135.2	1930.2	1739.9	1549.9	1360.8	1175.8	1009.5	850.0	697.6
-75°	2118.4	1958.7	1802.5	1642.5	1474.6	1309.5	1167.7	1026.3	879.6	738.6	620.8
-77.5°	1746.7	1615.2	1484.3	1362.5	1235.1	1111.3	991.7	873.0	754.2	648.4	547.9
-80°	1400.4	1305.0	1209.7	1113.0	1009.7	910.1	826.1	741.5	647.9	558.4	473.2
-82.5°	1083.5	1018.5	955.7	891.4	821.5	752.3	683.8	615.5	539.6	466.7	410.6
-85°	851.8	801.9	751.2	699.9	646.1	593.0	553.8	514.0	466.8	420.1	373.8
-87.5°	690.2	658.0	625.7	593.0	559.1	525.1	490.9	456.4	416.2	376.2	336.5
-90°	12.4	12.9	13.4	13.9	13.9	13.9	13.9	13.9	14.4	14.9	15.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	265.4	219.9	174.3	128.8	83.2	48.6	13.9
87.5°	25.0	24.3	23.2	21.8	20.1	17.6	13.9
85°	34.3	32.8	30.6	27.8	24.4	20.4	13.9
82.5°	43.6	41.3	38.0	33.8	28.8	23.1	13.9
80°	53.9	49.8	45.4	39.8	33.1	25.9	13.9
77.5°	71.7	61.7	52.8	45.8	37.5	28.6	13.9
75°	89.9	80.0	62.0	51.8	41.9	31.3	13.9
72.5°	108.6	98.5	79.2	57.7	46.3	34.1	13.9
70°	129.3	117.3	96.5	65.3	50.7	36.8	13.9
67.5°	161.0	136.4	113.9	79.9	55.2	39.4	13.9
65°	193.5	161.5	131.4	94.5	59.7	42.1	13.9
62.5°	226.9	192.6	149.0	109.0	64.2	44.7	13.9
60°	261.3	224.2	166.8	123.5	68.8	47.3	13.9
57.5°	308.7	256.2	193.9	137.9	79.3	49.9	13.9
55°	358.5	288.8	221.6	152.3	89.8	52.5	13.9
52.5°	409.2	323.7	249.4	166.6	100.1	55.0	13.9
50°	460.8	368.1	277.2	180.8	110.2	57.4	13.9
47.5°	515.0	412.8	305.1	196.6	120.1	59.9	13.9
45°	579.8	457.6	332.9	217.7	129.8	62.3	13.9
42.5°	645.1	502.6	360.6	238.3	139.3	64.6	13.9
40°	710.7	547.5	392.1	258.8	148.5	66.8	13.9
37.5°	776.6	592.3	427.0	278.7	157.5	69.1	13.9
35°	842.4	642.4	461.3	298.0	166.1	71.2	13.9
32.5°	911.7	694.7	495.0	316.5	174.5	73.3	13.9
30°	988.7	746.1	527.8	334.3	182.5	75.2	13.9
27.5°	1064.9	796.4	557.7	351.4	190.2	77.2	13.9
25°	1139.8	845.4	586.0	367.6	197.5	79.0	13.9
22.5°	1213.1	890.7	612.8	382.9	204.4	80.7	13.9
20°	1284.4	928.4	638.0	397.2	210.9	82.3	13.9
17.5°	1340.4	963.2	661.6	410.7	217.0	83.9	13.9
15°	1383.9	995.1	683.3	423.0	222.6	85.3	13.9
12.5°	1422.4	1024.0	703.3	434.3	227.8	86.6	13.9
10°	1455.8	1049.8	721.3	444.5	232.4	87.7	13.9
7.5°	1484.1	1072.5	737.3	453.6	236.5	88.8	13.9
5°	1507.4	1092.0	751.2	461.4	240.1	89.7	13.9
2.5°	1525.7	1108.2	763.0	468.1	243.1	90.5	13.9
0°	1539.0	1121.1	772.5	473.4	245.6	91.1	13.9
-2.5°	1576.0	1142.0	785.1	480.6	249.4	92.9	13.9
-5°	1607.6	1159.3	795.3	486.4	252.6	94.5	13.9
-7.5°	1633.4	1172.9	803.1	490.8	255.1	96.0	13.9
-10°	1652.7	1182.5	808.2	493.8	257.1	97.3	13.9
-12.5°	1665.3	1188.1	810.7	495.3	258.4	98.5	13.9
-15°	1670.7	1189.4	810.4	495.3	259.1	99.4	13.9
-17.5°	1668.5	1186.3	807.3	493.8	259.1	100.2	13.9
-20°	1659.3	1178.7	801.3	490.8	258.5	100.9	13.9



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1644.7	1166.6	792.4	486.2	257.3	101.3	13.9
-25°	1623.6	1154.6	780.6	480.1	255.4	101.6	13.9
-27.5°	1596.2	1139.7	765.8	472.4	252.9	101.6	13.9
-30°	1562.3	1120.0	748.5	463.1	249.7	101.5	13.9
-32.5°	1522.0	1095.2	732.8	452.2	245.9	101.2	13.9
-35°	1484.5	1065.4	713.9	439.8	241.5	100.8	13.9
-37.5°	1444.3	1033.6	691.8	425.8	236.4	100.1	13.9
-40°	1397.6	1002.8	666.6	410.3	230.7	99.2	13.9
-42.5°	1344.4	967.8	643.2	394.2	224.5	98.2	13.9
-45°	1285.0	928.7	622.2	378.4	217.6	97.0	13.9
-47.5°	1219.3	885.5	598.6	360.9	210.1	95.6	13.9
-50°	1159.7	838.3	572.7	348.6	202.1	94.0	13.9
-52.5°	1097.0	787.2	544.3	337.1	193.6	92.2	13.9
-55°	1029.5	745.1	513.7	324.3	184.5	90.3	13.9
-57.5°	957.3	702.5	480.9	310.4	174.9	88.2	13.9
-60°	882.8	656.9	446.6	295.2	164.8	85.9	13.9
-62.5°	822.1	608.5	422.9	279.0	159.6	83.5	13.9
-65°	757.9	557.5	397.5	261.6	154.1	81.0	13.9
-67.5°	690.5	512.3	370.5	243.3	148.2	78.3	13.9
-70°	620.1	473.3	342.1	224.0	142.0	75.4	13.9
-72.5°	564.1	432.5	312.3	212.0	135.5	72.4	13.9
-75°	508.4	389.9	281.3	201.4	128.7	69.3	13.9
-77.5°	450.6	345.7	262.5	190.3	121.7	66.1	13.9
-80°	391.0	315.4	245.9	178.7	114.4	62.8	13.9
-82.5°	358.0	292.5	228.7	166.8	106.8	59.4	13.9
-85°	327.8	268.8	211.0	154.4	99.1	55.8	13.9
-87.5°	296.9	244.6	192.9	141.7	91.2	52.2	13.9
-90°	15.8	15.8	15.8	15.8	15.8	14.9	13.9

(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

