

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



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: HALO

Report Number: P670568 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLM40FSUNVDBZK-25W-5000K

Issue Date: 4/3/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P670568 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( )  
Test Lab: INNOVATION CENTER  
Issue Date: 4/3/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: GFLM40FSUNVDBZK-25W-5000K  
Description: SLIM LED FLOODLIGHT  
Light Source:  
Ballast/Driver: -

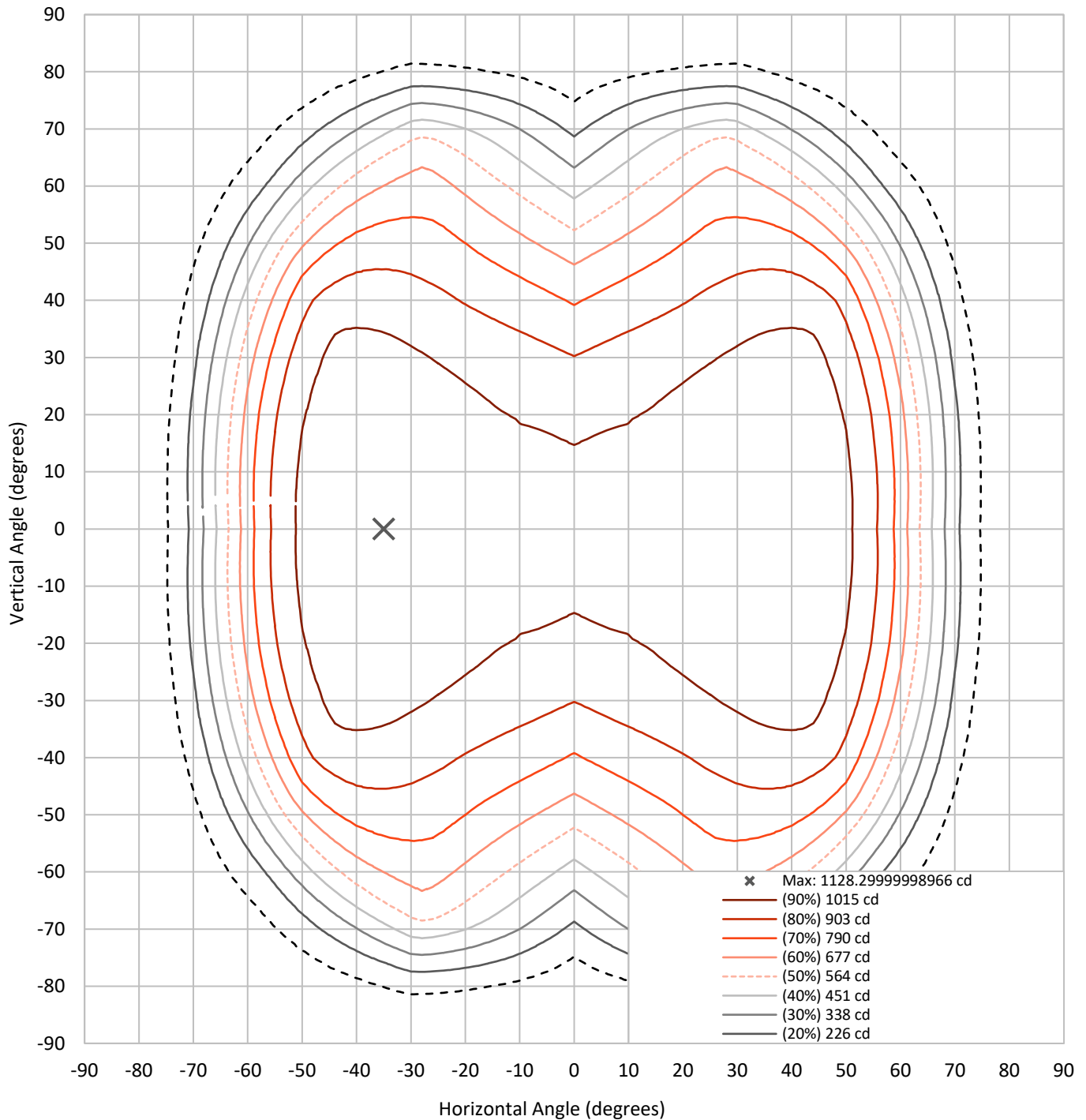
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	3881 lumens	Max Intensity:	1128.3 candela
Efficiency:	N/A	Max Intensity Angle:	-35°H x 0°V
Efficacy:	147.6 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.23' x L: 0.42' x H: 0.15')		
Beam Angle (50%):	127°H x 130.8°V	Field Angle (10%):	149.3°H x 160.3°V
Beam Lumens:	3368.6 lumens	Field Lumens:	3833.8 lumens
Beam Efficiency:	86.8%	Field Efficiency:	98.8%
Input Watts (W):	26.3		
Input Voltage (V):	120		
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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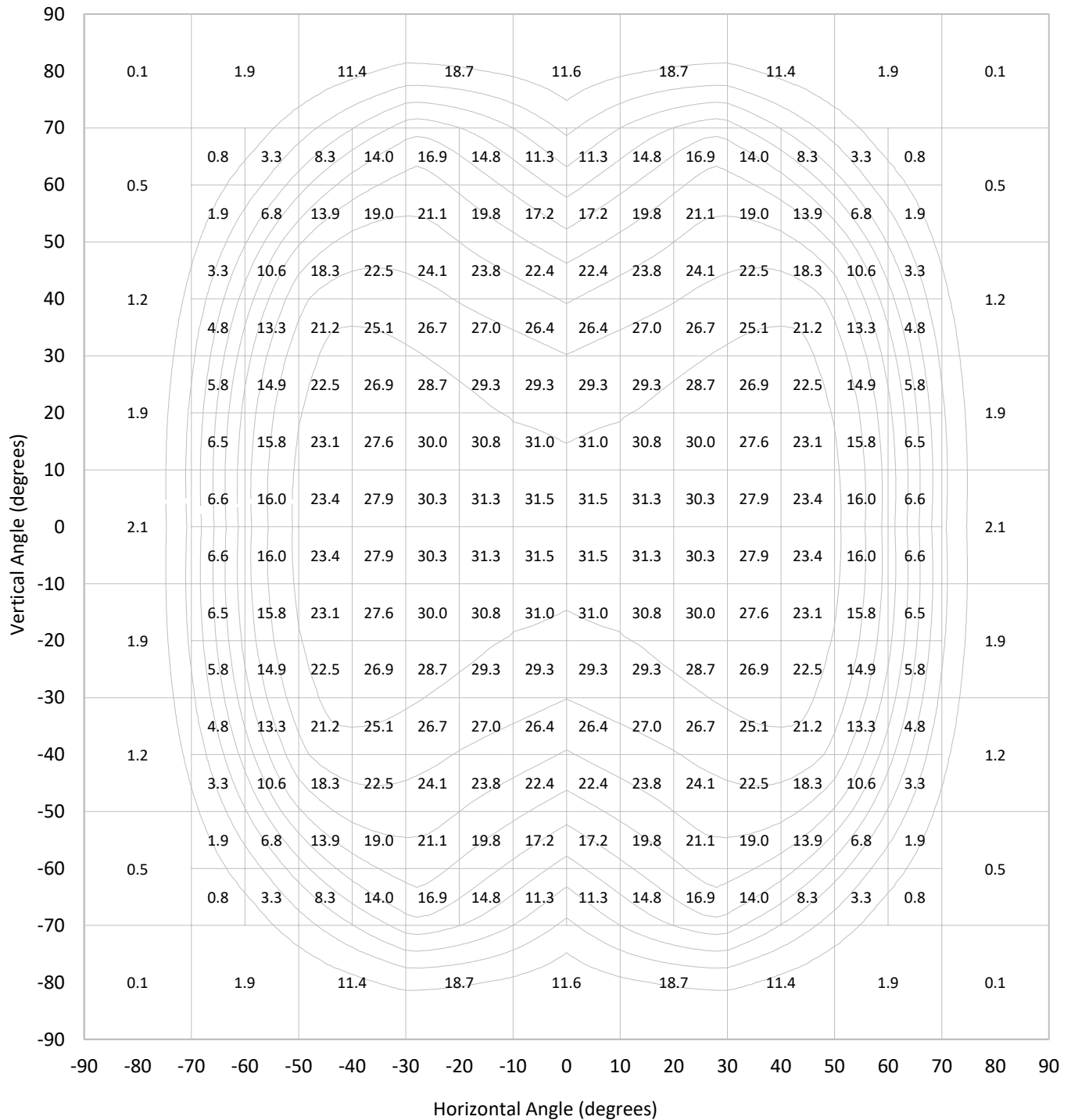
### Iso-Candela Plot





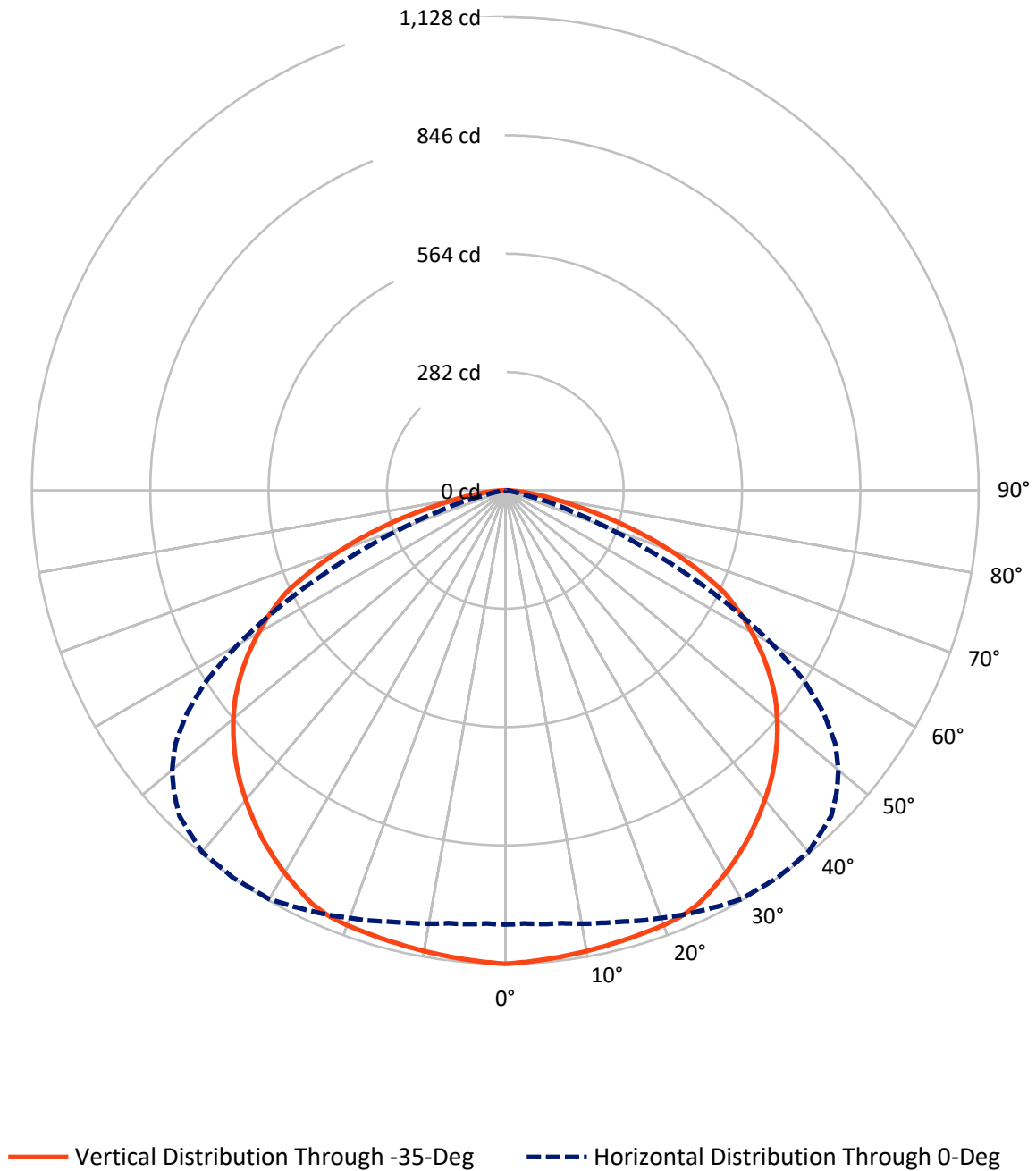
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### Lumen Table



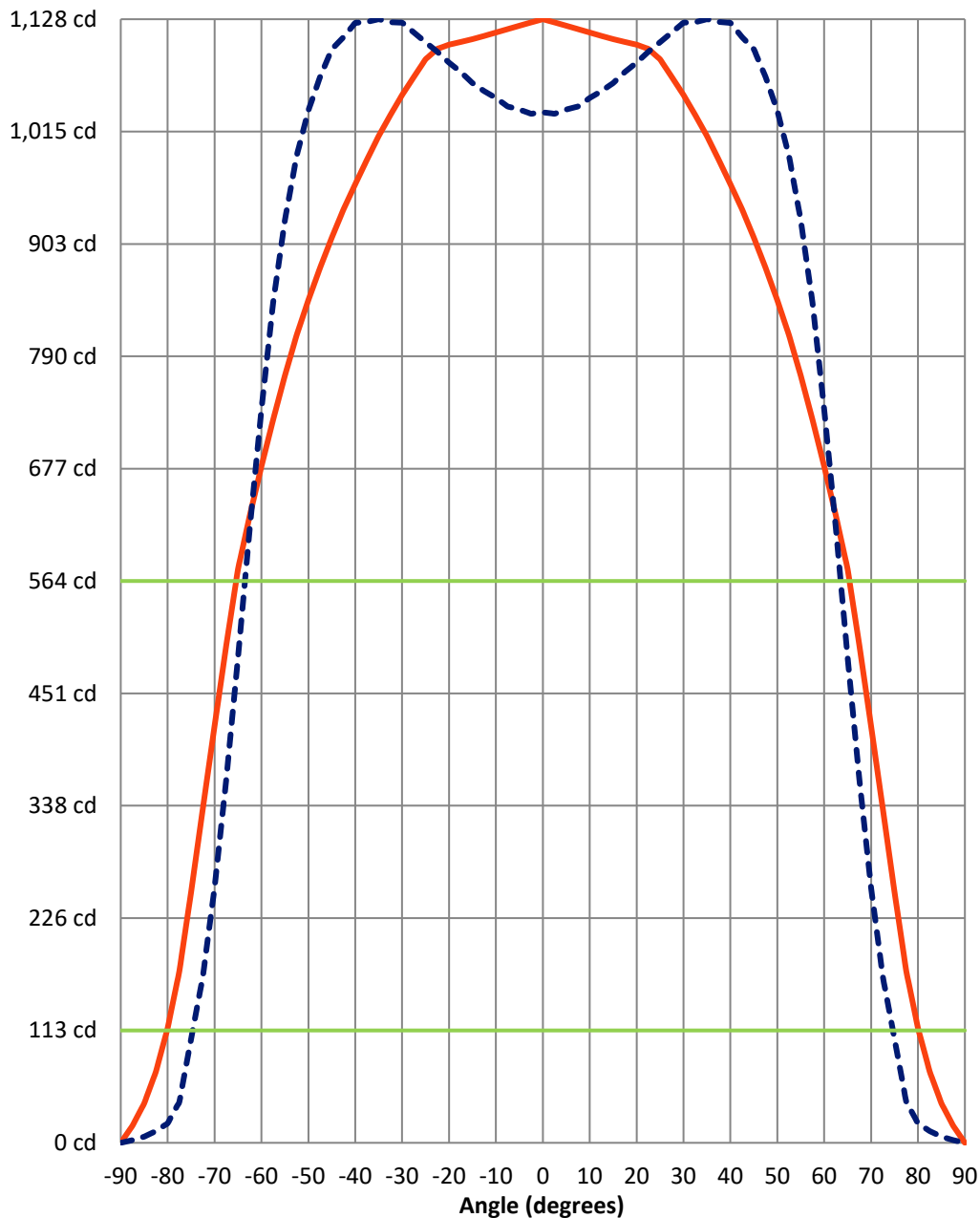
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CATALOG NUMBER: GFLM40FSUNVDBZK-25W-5000K

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 127°  
 V Angle: 130.8°  
 Lumens: 3368.6  
 Efficiency: 86.8%

**Field:**  
 H Angle: 149.3°  
 V Angle: 160.3°  
 Lumens: 3833.8  
 Efficiency: 98.8%

**Spill:**  
 Lumens: 47.3  
 Efficiency: 1.2%

— Vertical Distribution through -35-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	0.4	0.7	1.1	1.6	2.1	2.8	3.5	4.2	5.1
85°	0.0	0.3	0.8	1.4	2.2	3.2	4.3	5.6	7.0	8.5	10.2
82.5°	0.0	0.5	1.2	2.1	3.4	4.8	6.4	8.3	10.3	12.2	14.2
80°	0.0	0.6	1.6	2.8	4.5	6.3	8.4	10.5	12.8	15.1	17.6
77.5°	0.0	0.8	2.0	3.5	5.5	7.7	10.0	12.5	15.1	18.0	21.0
75°	0.0	0.9	2.3	4.2	6.5	8.9	11.5	14.3	17.5	21.0	24.5
72.5°	0.0	1.1	2.7	4.8	7.4	10.0	13.0	16.3	20.0	24.0	28.0
70°	0.0	1.2	3.1	5.5	8.2	11.2	14.5	18.4	22.5	27.0	36.3
67.5°	0.0	1.4	3.4	6.0	9.0	12.2	16.1	20.4	25.1	34.7	45.4
65°	0.0	1.5	3.7	6.5	9.7	13.4	17.8	22.4	31.2	42.1	56.8
62.5°	0.0	1.7	4.1	7.0	10.4	14.6	19.3	26.4	37.1	50.8	74.2
60°	0.0	1.8	4.4	7.5	11.1	15.8	20.8	30.9	42.7	65.0	90.8
57.5°	0.0	1.9	4.6	7.9	11.9	16.9	24.0	35.2	52.9	78.5	112.0
55°	0.0	2.0	4.9	8.3	12.8	18.0	27.3	39.2	63.8	93.0	135.1
52.5°	0.0	2.1	5.1	8.7	13.6	19.2	30.3	47.3	73.9	113.0	157.3
50°	0.0	2.2	5.4	9.1	14.3	21.4	33.1	55.3	85.6	132.1	186.2
47.5°	0.0	2.3	5.6	9.5	15.0	23.5	36.1	62.7	101.7	150.3	214.2
45°	0.0	2.4	5.8	9.9	15.6	25.3	41.8	69.5	117.1	173.4	240.2
42.5°	0.0	2.5	5.9	10.4	16.2	27.0	47.1	79.4	131.6	194.9	270.3
40°	0.0	2.6	6.1	10.8	17.1	28.4	51.8	91.4	146.5	214.7	299.1
37.5°	0.0	2.6	6.2	11.1	18.1	29.7	56.1	102.5	162.6	234.4	325.6
35°	0.0	2.7	6.4	11.4	19.0	32.2	59.8	112.9	177.3	256.3	351.3
32.5°	0.0	2.7	6.5	11.7	19.8	35.1	64.5	122.5	190.5	276.1	376.8
30°	0.0	2.8	6.6	11.9	20.5	37.6	72.0	131.6	202.2	293.8	399.9
27.5°	0.0	2.8	6.6	12.1	21.0	39.7	78.8	141.0	213.9	309.4	420.3
25°	0.0	2.8	6.7	12.3	21.4	41.5	84.9	149.1	226.4	324.8	438.2
22.5°	0.0	2.8	6.7	12.4	21.7	42.9	90.2	156.0	237.1	338.9	454.6
20°	0.0	2.9	6.7	12.5	21.9	43.9	94.8	161.7	246.0	350.8	468.4
17.5°	0.0	2.9	6.7	12.5	22.0	44.6	98.6	166.2	253.2	360.3	479.8
15°	0.0	2.9	6.7	12.5	21.9	45.0	101.7	169.5	258.6	367.6	488.5
12.5°	0.0	2.8	6.6	12.5	21.8	45.1	104.0	171.7	262.2	372.6	494.8
10°	0.0	2.8	6.6	12.4	21.5	44.8	105.5	172.8	264.2	375.4	498.4
7.5°	0.0	2.8	6.5	12.3	21.1	44.3	106.3	172.8	264.5	376.0	499.4
5°	0.0	2.8	6.4	12.2	20.7	43.5	106.4	171.8	263.2	374.4	497.8
2.5°	0.0	2.7	6.3	12.0	20.2	42.5	105.7	169.8	260.4	370.7	493.8
0°	0.0	2.7	6.2	11.8	19.6	41.2	104.2	166.9	256.1	365.0	487.2
-2.5°	0.0	2.7	6.3	12.0	20.2	42.5	105.7	169.8	260.4	370.7	493.8
-5°	0.0	2.8	6.4	12.2	20.7	43.5	106.4	171.8	263.2	374.4	497.8
-7.5°	0.0	2.8	6.5	12.3	21.1	44.3	106.3	172.8	264.5	376.0	499.4
-10°	0.0	2.8	6.6	12.4	21.5	44.8	105.5	172.8	264.2	375.4	498.4
-12.5°	0.0	2.8	6.6	12.5	21.8	45.1	104.0	171.7	262.2	372.6	494.8
-15°	0.0	2.9	6.7	12.5	21.9	45.0	101.7	169.5	258.6	367.6	488.5
-17.5°	0.0	2.9	6.7	12.5	22.0	44.6	98.6	166.2	253.2	360.3	479.8
-20°	0.0	2.9	6.7	12.5	21.9	43.9	94.8	161.7	246.0	350.8	468.4

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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°	0.0	2.8	6.7	12.4	21.7	42.9	90.2	156.0	237.1	338.9	454.6
-25°	0.0	2.8	6.7	12.3	21.4	41.5	84.9	149.1	226.4	324.8	438.2
-27.5°	0.0	2.8	6.6	12.1	21.0	39.7	78.8	141.0	213.9	309.4	420.3
-30°	0.0	2.8	6.6	11.9	20.5	37.6	72.0	131.6	202.2	293.8	399.9
-32.5°	0.0	2.7	6.5	11.7	19.8	35.1	64.5	122.5	190.5	276.1	376.8
-35°	0.0	2.7	6.4	11.4	19.0	32.2	59.8	112.9	177.3	256.3	351.3
-37.5°	0.0	2.6	6.2	11.1	18.1	29.7	56.1	102.5	162.6	234.4	325.6
-40°	0.0	2.6	6.1	10.8	17.1	28.4	51.8	91.4	146.5	214.7	299.1
-42.5°	0.0	2.5	5.9	10.4	16.2	27.0	47.1	79.4	131.6	194.9	270.3
-45°	0.0	2.4	5.8	9.9	15.6	25.3	41.8	69.5	117.1	173.4	240.2
-47.5°	0.0	2.3	5.6	9.5	15.0	23.5	36.1	62.7	101.7	150.3	214.2
-50°	0.0	2.2	5.4	9.1	14.3	21.4	33.1	55.3	85.6	132.1	186.2
-52.5°	0.0	2.1	5.1	8.7	13.6	19.2	30.3	47.3	73.9	113.0	157.3
-55°	0.0	2.0	4.9	8.3	12.8	18.0	27.3	39.2	63.8	93.0	135.1
-57.5°	0.0	1.9	4.6	7.9	11.9	16.9	24.0	35.2	52.9	78.5	112.0
-60°	0.0	1.8	4.4	7.5	11.1	15.8	20.8	30.9	42.7	65.0	90.8
-62.5°	0.0	1.7	4.1	7.0	10.4	14.6	19.3	26.4	37.1	50.8	74.2
-65°	0.0	1.5	3.7	6.5	9.7	13.4	17.8	22.4	31.2	42.1	56.8
-67.5°	0.0	1.4	3.4	6.0	9.0	12.2	16.1	20.4	25.1	34.7	45.4
-70°	0.0	1.2	3.1	5.5	8.2	11.2	14.5	18.4	22.5	27.0	36.3
-72.5°	0.0	1.1	2.7	4.8	7.4	10.0	13.0	16.3	20.0	24.0	28.0
-75°	0.0	0.9	2.3	4.2	6.5	8.9	11.5	14.3	17.5	21.0	24.5
-77.5°	0.0	0.8	2.0	3.5	5.5	7.7	10.0	12.5	15.1	18.0	21.0
-80°	0.0	0.6	1.6	2.8	4.5	6.3	8.4	10.5	12.8	15.1	17.6
-82.5°	0.0	0.5	1.2	2.1	3.4	4.8	6.4	8.3	10.3	12.2	14.2
-85°	0.0	0.3	0.8	1.4	2.2	3.2	4.3	5.6	7.0	8.5	10.2
-87.5°	0.0	0.2	0.4	0.7	1.1	1.6	2.1	2.8	3.5	4.2	5.1
-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: P670568 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLM40FSUNVDBZK-25W-5000K

**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°	6.0	6.9	7.9	8.8	9.8	10.8	11.8	12.9	13.9	15.0	16.1
85°	12.0	13.9	15.5	17.3	19.4	21.7	24.2	26.9	29.9	33.0	36.2
82.5°	16.3	18.4	21.4	24.7	28.5	32.6	37.2	43.0	49.4	56.3	63.7
80°	20.2	22.9	27.4	33.0	39.6	47.2	55.7	65.1	75.2	87.2	100.9
77.5°	24.2	27.6	33.8	41.9	51.8	65.8	80.9	97.0	114.0	131.9	150.4
75°	28.3	32.1	43.3	58.0	74.3	92.0	112.0	138.0	165.1	193.2	222.1
72.5°	35.4	44.8	58.1	76.1	102.0	130.4	160.4	191.8	225.9	261.8	298.4
70°	46.4	57.5	78.4	107.6	138.8	173.0	211.3	250.7	291.4	333.6	376.6
67.5°	58.8	80.4	105.1	139.4	179.2	220.8	264.0	313.5	362.1	409.3	455.5
65°	79.7	104.1	133.9	176.1	220.3	274.5	328.7	381.7	435.1	486.0	534.2
62.5°	99.6	132.7	167.2	215.9	275.8	334.6	395.3	454.2	510.1	556.3	595.8
60°	125.4	162.5	208.1	267.5	332.5	400.4	465.1	523.1	573.6	617.3	651.5
57.5°	151.8	199.1	256.4	321.2	395.6	466.5	531.3	588.4	635.4	674.3	705.0
55°	181.4	240.6	306.1	380.4	458.8	532.4	597.0	650.7	696.2	728.4	753.8
52.5°	216.8	281.9	359.2	440.3	523.9	597.7	660.5	711.4	750.2	779.7	798.0
50°	250.2	327.8	410.6	500.5	588.2	661.6	720.7	767.6	800.7	824.3	838.9
47.5°	287.4	371.2	463.2	557.1	648.5	721.4	777.8	817.2	847.4	864.7	876.4
45°	324.2	415.3	512.8	609.1	701.0	778.2	827.0	864.8	887.1	902.5	907.9
42.5°	358.7	458.0	558.5	658.3	746.6	824.2	874.3	904.2	924.9	934.4	938.1
40°	394.4	497.8	601.4	698.9	787.6	859.6	914.2	942.6	956.9	964.4	966.9
37.5°	428.0	534.6	640.5	737.7	819.8	889.4	946.5	974.3	986.9	993.1	991.6
35°	458.8	568.7	674.3	770.1	851.1	915.4	965.5	1003.5	1015.2	1017.6	1015.9
32.5°	487.2	600.2	706.0	797.6	875.1	938.4	983.9	1017.8	1040.1	1041.8	1038.9
30°	513.3	627.0	733.7	823.8	897.9	955.2	998.5	1031.3	1053.6	1064.1	1059.9
27.5°	536.8	651.4	755.6	844.7	918.4	971.8	1011.9	1041.1	1062.3	1077.5	1079.8
25°	557.6	673.5	775.9	863.2	932.6	984.7	1024.0	1051.1	1070.4	1083.5	1090.7
22.5°	575.3	693.2	794.5	880.5	946.1	996.0	1032.6	1058.7	1077.5	1089.9	1094.8
20°	590.4	707.3	809.2	895.4	958.9	1006.9	1041.0	1065.8	1083.5	1093.7	1099.2
17.5°	603.0	719.3	820.8	904.8	967.7	1015.3	1048.7	1072.7	1089.6	1097.7	1103.9
15°	613.0	729.2	830.8	913.0	975.1	1021.2	1053.9	1077.8	1094.2	1101.7	1108.9
12.5°	620.5	736.9	838.8	919.8	981.4	1026.4	1058.7	1082.5	1097.5	1106.0	1111.6
10°	625.3	742.1	844.8	925.0	986.5	1030.8	1062.9	1087.0	1100.7	1110.3	1114.4
7.5°	627.4	744.8	848.4	928.5	990.1	1034.2	1066.2	1090.9	1103.6	1114.4	1117.2
5°	626.6	744.8	849.6	930.0	992.2	1036.4	1068.7	1094.2	1106.3	1118.3	1120.0
2.5°	623.0	742.0	848.2	929.4	992.5	1037.2	1070.1	1096.6	1108.6	1121.8	1122.8
0°	616.6	736.3	843.9	926.4	990.8	1036.5	1070.3	1098.1	1110.3	1124.6	1125.6
-2.5°	623.0	742.0	848.2	929.4	992.5	1037.2	1070.1	1096.6	1108.6	1121.8	1122.8
-5°	626.6	744.8	849.6	930.0	992.2	1036.4	1068.7	1094.2	1106.3	1118.3	1120.0
-7.5°	627.4	744.8	848.4	928.5	990.1	1034.2	1066.2	1090.9	1103.6	1114.4	1117.2
-10°	625.3	742.1	844.8	925.0	986.5	1030.8	1062.9	1087.0	1100.7	1110.3	1114.4
-12.5°	620.5	736.9	838.8	919.8	981.4	1026.4	1058.7	1082.5	1097.5	1106.0	1111.6
-15°	613.0	729.2	830.8	913.0	975.1	1021.2	1053.9	1077.8	1094.2	1101.7	1108.9
-17.5°	603.0	719.3	820.8	904.8	967.7	1015.3	1048.7	1072.7	1089.6	1097.7	1103.9
-20°	590.4	707.3	809.2	895.4	958.9	1006.9	1041.0	1065.8	1083.5	1093.7	1099.2



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 CATALOG NUMBER: GFLM40FSUNVDBZK-25W-5000K

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	575.3	693.2	794.5	880.5	946.1	996.0	1032.6	1058.7	1077.5	1089.9	1094.8
-25°	557.6	673.5	775.9	863.2	932.6	984.7	1024.0	1051.1	1070.4	1083.5	1090.7
-27.5°	536.8	651.4	755.6	844.7	918.4	971.8	1011.9	1041.1	1062.3	1077.5	1079.8
-30°	513.3	627.0	733.7	823.8	897.9	955.2	998.5	1031.3	1053.6	1064.1	1059.9
-32.5°	487.2	600.2	706.0	797.6	875.1	938.4	983.9	1017.8	1040.1	1041.8	1038.9
-35°	458.8	568.7	674.3	770.1	851.1	915.4	965.5	1003.5	1015.2	1017.6	1015.9
-37.5°	428.0	534.6	640.5	737.7	819.8	889.4	946.5	974.3	986.9	993.1	991.6
-40°	394.4	497.8	601.4	698.9	787.6	859.6	914.2	942.6	956.9	964.4	966.9
-42.5°	358.7	458.0	558.5	658.3	746.6	824.2	874.3	904.2	924.9	934.4	938.1
-45°	324.2	415.3	512.8	609.1	701.0	778.2	827.0	864.8	887.1	902.5	907.9
-47.5°	287.4	371.2	463.2	557.1	648.5	721.4	777.8	817.2	847.4	864.7	876.4
-50°	250.2	327.8	410.6	500.5	588.2	661.6	720.7	767.6	800.7	824.3	838.9
-52.5°	216.8	281.9	359.2	440.3	523.9	597.7	660.5	711.4	750.2	779.7	798.0
-55°	181.4	240.6	306.1	380.4	458.8	532.4	597.0	650.7	696.2	728.4	753.8
-57.5°	151.8	199.1	256.4	321.2	395.6	466.5	531.3	588.4	635.4	674.3	705.0
-60°	125.4	162.5	208.1	267.5	332.5	400.4	465.1	523.1	573.6	617.3	651.5
-62.5°	99.6	132.7	167.2	215.9	275.8	334.6	395.3	454.2	510.1	556.3	595.8
-65°	79.7	104.1	133.9	176.1	220.3	274.5	328.7	381.7	435.1	486.0	534.2
-67.5°	58.8	80.4	105.1	139.4	179.2	220.8	264.0	313.5	362.1	409.3	455.5
-70°	46.4	57.5	78.4	107.6	138.8	173.0	211.3	250.7	291.4	333.6	376.6
-72.5°	35.4	44.8	58.1	76.1	102.0	130.4	160.4	191.8	225.9	261.8	298.4
-75°	28.3	32.1	43.3	58.0	74.3	92.0	112.0	138.0	165.1	193.2	222.1
-77.5°	24.2	27.6	33.8	41.9	51.8	65.8	80.9	97.0	114.0	131.9	150.4
-80°	20.2	22.9	27.4	33.0	39.6	47.2	55.7	65.1	75.2	87.2	100.9
-82.5°	16.3	18.4	21.4	24.7	28.5	32.6	37.2	43.0	49.4	56.3	63.7
-85°	12.0	13.9	15.5	17.3	19.4	21.7	24.2	26.9	29.9	33.0	36.2
-87.5°	6.0	6.9	7.9	8.8	9.8	10.8	11.8	12.9	13.9	15.0	16.1
-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: P670568 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLM40FSUNVDBZK-25W-500K

**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°	17.2	18.3	19.4	19.0	18.6	18.0	17.4	16.8	16.0	15.3	14.5
85°	39.6	43.1	46.7	45.7	44.2	42.5	40.6	38.5	36.2	33.8	31.1
82.5°	71.5	79.7	88.1	87.0	84.2	80.8	76.8	72.2	67.1	61.5	55.7
80°	115.2	129.9	144.9	144.5	140.1	134.6	127.8	120.0	111.4	101.9	91.6
77.5°	172.4	196.2	220.3	223.4	218.0	210.4	200.7	189.2	176.0	161.4	145.5
75°	251.7	282.2	313.7	320.2	311.3	299.8	285.7	269.3	250.8	230.4	208.4
72.5°	335.5	372.9	410.2	420.6	406.7	390.0	370.7	349.0	325.1	299.2	271.5
70°	418.4	458.9	498.2	515.2	497.2	476.5	453.4	427.8	400.0	370.1	338.5
67.5°	499.6	541.3	580.5	605.0	579.9	551.0	521.3	490.7	459.2	426.8	393.5
65°	576.0	608.2	635.7	656.6	629.4	599.9	569.8	539.0	507.5	475.3	442.3
62.5°	629.6	656.4	677.0	692.8	671.2	642.5	612.9	582.9	552.4	521.3	489.5
60°	679.3	701.0	715.0	724.1	709.2	681.7	653.2	624.6	595.6	566.0	535.7
57.5°	726.2	741.6	750.9	754.5	744.8	718.4	691.4	664.1	636.5	608.7	580.3
55°	770.4	779.9	784.8	783.9	776.6	751.2	726.0	700.6	675.2	649.5	623.4
52.5°	810.9	815.3	815.3	811.2	803.2	781.8	758.6	735.5	712.3	688.8	664.9
50°	846.1	847.9	844.0	837.4	827.9	811.2	790.1	768.8	747.4	725.9	704.1
47.5°	878.6	877.3	871.8	863.7	853.0	838.0	818.2	799.0	780.6	761.7	742.5
45°	909.0	905.3	898.7	888.2	876.0	863.1	846.8	830.4	813.1	795.7	778.2
42.5°	937.3	931.5	922.8	912.6	901.3	888.0	872.3	856.7	841.8	826.9	811.6
40°	962.6	956.1	947.6	937.3	923.9	909.7	895.9	883.0	870.1	856.8	843.1
37.5°	987.2	980.5	970.6	958.6	946.0	933.2	920.0	907.9	896.5	884.5	872.2
35°	1011.0	1002.3	991.6	980.0	968.1	955.8	943.0	930.3	920.0	909.5	898.9
32.5°	1032.1	1022.8	1011.8	1000.6	989.4	976.6	963.9	950.9	941.5	932.6	923.0
30°	1052.2	1041.8	1031.3	1020.5	1008.1	996.0	983.9	971.4	960.8	953.0	945.1
27.5°	1070.3	1060.3	1050.0	1037.8	1026.1	1014.7	1002.4	990.5	978.8	972.4	965.2
25°	1088.1	1078.4	1066.4	1054.8	1043.5	1031.2	1019.3	1008.1	996.6	987.8	981.7
22.5°	1098.5	1094.2	1082.4	1071.4	1058.7	1046.3	1034.7	1023.6	1012.0	1000.9	996.0
20°	1102.7	1101.6	1098.4	1085.7	1072.5	1060.1	1049.0	1036.4	1025.1	1016.5	1010.1
17.5°	1105.5	1104.9	1103.5	1099.2	1085.1	1073.7	1060.0	1047.5	1039.0	1028.8	1019.1
15°	1108.3	1108.5	1105.3	1100.5	1095.5	1084.7	1069.0	1059.8	1048.4	1038.6	1031.8
12.5°	1111.5	1111.4	1107.5	1102.7	1097.8	1087.7	1080.4	1068.3	1056.5	1048.6	1040.1
10°	1114.9	1113.7	1110.0	1105.1	1097.8	1088.0	1082.6	1073.4	1064.6	1054.8	1046.5
7.5°	1118.3	1116.2	1113.0	1107.3	1098.1	1089.8	1081.7	1073.3	1066.8	1060.1	1051.3
5°	1121.7	1119.0	1116.7	1109.5	1099.4	1091.4	1081.7	1073.5	1065.3	1058.3	1052.2
2.5°	1125.1	1122.1	1120.6	1112.0	1101.8	1093.1	1082.6	1074.0	1064.2	1056.6	1050.0
0°	1128.3	1125.3	1124.8	1115.0	1105.2	1095.6	1084.7	1075.3	1064.2	1056.1	1049.2
-2.5°	1125.1	1122.1	1120.6	1112.0	1101.8	1093.1	1082.6	1074.0	1064.2	1056.6	1050.0
-5°	1121.7	1119.0	1116.7	1109.5	1099.4	1091.4	1081.7	1073.5	1065.3	1058.3	1052.2
-7.5°	1118.3	1116.2	1113.0	1107.3	1098.1	1089.8	1081.7	1073.3	1066.8	1060.1	1051.3
-10°	1114.9	1113.7	1110.0	1105.1	1097.8	1088.0	1082.6	1073.4	1064.6	1054.8	1046.5
-12.5°	1111.5	1111.4	1107.5	1102.7	1097.8	1087.7	1080.4	1068.3	1056.5	1048.6	1040.1
-15°	1108.3	1108.5	1105.3	1100.5	1095.5	1084.7	1069.0	1059.8	1048.4	1038.6	1031.8
-17.5°	1105.5	1104.9	1103.5	1099.2	1085.1	1073.7	1060.0	1047.5	1039.0	1028.8	1019.1
-20°	1102.7	1101.6	1098.4	1085.7	1072.5	1060.1	1049.0	1036.4	1025.1	1016.5	1010.1

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

Scaled Data Report



REPORT NUMBER: P670568 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLM40FSUNVDBZK-25W-5000K

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1098.5	1094.2	1082.4	1071.4	1058.7	1046.3	1034.7	1023.6	1012.0	1000.9	996.0
-25°	1088.1	1078.4	1066.4	1054.8	1043.5	1031.2	1019.3	1008.1	996.6	987.8	981.7
-27.5°	1070.3	1060.3	1050.0	1037.8	1026.1	1014.7	1002.4	990.5	978.8	972.4	965.2
-30°	1052.2	1041.8	1031.3	1020.5	1008.1	996.0	983.9	971.4	960.8	953.0	945.1
-32.5°	1032.1	1022.8	1011.8	1000.6	989.4	976.6	963.9	950.9	941.5	932.6	923.0
-35°	1011.0	1002.3	991.6	980.0	968.1	955.8	943.0	930.3	920.0	909.5	898.9
-37.5°	987.2	980.5	970.6	958.6	946.0	933.2	920.0	907.9	896.5	884.5	872.2
-40°	962.6	956.1	947.6	937.3	923.9	909.7	895.9	883.0	870.1	856.8	843.1
-42.5°	937.3	931.5	922.8	912.6	901.3	888.0	872.3	856.7	841.8	826.9	811.6
-45°	909.0	905.3	898.7	888.2	876.0	863.1	846.8	830.4	813.1	795.7	778.2
-47.5°	878.6	877.3	871.8	863.7	853.0	838.0	818.2	799.0	780.6	761.7	742.5
-50°	846.1	847.9	844.0	837.4	827.9	811.2	790.1	768.8	747.4	725.9	704.1
-52.5°	810.9	815.3	815.3	811.2	803.2	781.8	758.6	735.5	712.3	688.8	664.9
-55°	770.4	779.9	784.8	783.9	776.6	751.2	726.0	700.6	675.2	649.5	623.4
-57.5°	726.2	741.6	750.9	754.5	744.8	718.4	691.4	664.1	636.5	608.7	580.3
-60°	679.3	701.0	715.0	724.1	709.2	681.7	653.2	624.6	595.6	566.0	535.7
-62.5°	629.6	656.4	677.0	692.8	671.2	642.5	612.9	582.9	552.4	521.3	489.5
-65°	576.0	608.2	635.7	656.6	629.4	599.9	569.8	539.0	507.5	475.3	442.3
-67.5°	499.6	541.3	580.5	605.0	579.9	551.0	521.3	490.7	459.2	426.8	393.5
-70°	418.4	458.9	498.2	515.2	497.2	476.5	453.4	427.8	400.0	370.1	338.5
-72.5°	335.5	372.9	410.2	420.6	406.7	390.0	370.7	349.0	325.1	299.2	271.5
-75°	251.7	282.2	313.7	320.2	311.3	299.8	285.7	269.3	250.8	230.4	208.4
-77.5°	172.4	196.2	220.3	223.4	218.0	210.4	200.7	189.2	176.0	161.4	145.5
-80°	115.2	129.9	144.9	144.5	140.1	134.6	127.8	120.0	111.4	101.9	91.6
-82.5°	71.5	79.7	88.1	87.0	84.2	80.8	76.8	72.2	67.1	61.5	55.7
-85°	39.6	43.1	46.7	45.7	44.2	42.5	40.6	38.5	36.2	33.8	31.1
-87.5°	17.2	18.3	19.4	19.0	18.6	18.0	17.4	16.8	16.0	15.3	14.5
-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: P670568 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLM40FSUNVDBZK-25W-500K

**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°	13.6	12.8	11.8	10.8	11.8	12.8	13.6	14.5	15.3	16.0	16.8
85°	28.4	25.4	22.5	19.5	22.5	25.4	28.4	31.1	33.8	36.2	38.5
82.5°	49.4	42.9	36.2	29.4	36.2	42.9	49.4	55.7	61.5	67.1	72.2
80°	80.7	69.5	57.8	45.8	57.8	69.5	80.7	91.6	101.9	111.4	120.0
77.5°	128.4	110.6	92.0	73.0	92.0	110.6	128.4	145.5	161.4	176.0	189.2
75°	185.0	160.4	134.9	108.7	134.9	160.4	185.0	208.4	230.4	250.8	269.3
72.5°	242.3	211.7	180.2	147.9	180.2	211.7	242.3	271.5	299.2	325.1	349.0
70°	305.1	270.3	234.3	197.4	234.3	270.3	305.1	338.5	370.1	400.0	427.8
67.5°	359.3	324.1	288.0	250.8	288.0	324.1	359.3	393.5	426.8	459.2	490.7
65°	408.4	373.6	337.9	301.2	337.9	373.6	408.4	442.3	475.3	507.5	539.0
62.5°	456.9	423.3	388.7	353.1	388.7	423.3	456.9	489.5	521.3	552.4	582.9
60°	504.7	472.7	439.6	405.3	439.6	472.7	504.7	535.7	566.0	595.6	624.6
57.5°	551.3	521.4	490.4	458.1	490.4	521.4	551.3	580.3	608.7	636.5	664.1
55°	596.6	568.9	540.1	509.9	540.1	568.9	596.6	623.4	649.5	675.2	700.6
52.5°	640.3	614.8	588.0	559.8	588.0	614.8	640.3	664.9	688.8	712.3	735.5
50°	681.7	658.4	633.9	608.0	633.9	658.4	681.7	704.1	725.9	747.4	768.8
47.5°	722.5	701.4	679.0	655.0	679.0	701.4	722.5	742.5	761.7	780.6	799.0
45°	760.2	741.4	721.3	699.7	721.3	741.4	760.2	778.2	795.7	813.1	830.4
42.5°	795.5	778.5	760.1	740.0	760.1	778.5	795.5	811.6	826.9	841.8	856.7
40°	828.8	813.4	796.6	778.3	796.6	813.4	828.8	843.1	856.8	870.1	883.0
37.5°	859.4	845.6	830.6	813.9	830.6	845.6	859.4	872.2	884.5	896.5	907.9
35°	887.8	875.8	862.6	847.6	862.6	875.8	887.8	898.9	909.5	920.0	930.3
32.5°	912.9	902.0	889.9	876.1	889.9	902.0	912.9	923.0	932.6	941.5	950.9
30°	936.8	927.7	917.4	905.3	917.4	927.7	936.8	945.1	953.0	960.8	971.4
27.5°	958.0	950.4	941.8	931.5	941.8	950.4	958.0	965.2	972.4	978.8	990.5
25°	975.1	967.8	959.6	950.0	959.6	967.8	975.1	981.7	987.8	996.6	1008.1
22.5°	991.3	986.0	979.7	971.7	979.7	986.0	991.3	996.0	1000.9	1012.0	1023.6
20°	1005.5	1001.7	997.6	992.2	997.6	1001.7	1005.5	1010.1	1016.5	1025.1	1036.4
17.5°	1016.7	1013.7	1009.3	1003.5	1009.3	1013.7	1016.7	1019.1	1028.8	1039.0	1047.5
15°	1026.2	1022.4	1018.6	1013.8	1018.6	1022.4	1026.2	1031.8	1038.6	1048.4	1059.8
12.5°	1033.0	1030.6	1028.6	1025.6	1028.6	1030.6	1033.0	1040.1	1048.6	1056.5	1068.3
10°	1040.7	1034.6	1031.1	1027.5	1031.1	1034.6	1040.7	1046.5	1054.8	1064.6	1073.4
7.5°	1043.2	1037.6	1036.3	1036.3	1036.3	1037.6	1043.2	1051.3	1060.1	1066.8	1073.3
5°	1046.2	1041.0	1039.1	1036.7	1039.1	1041.0	1046.2	1052.2	1058.3	1065.3	1073.5
2.5°	1044.2	1039.9	1037.6	1038.9	1037.6	1039.9	1044.2	1050.0	1056.6	1064.2	1074.0
0°	1040.7	1037.6	1033.4	1034.8	1033.4	1037.6	1040.7	1049.2	1056.1	1064.2	1075.3
-2.5°	1044.2	1039.9	1037.6	1038.9	1037.6	1039.9	1044.2	1050.0	1056.6	1064.2	1074.0
-5°	1046.2	1041.0	1039.1	1036.7	1039.1	1041.0	1046.2	1052.2	1058.3	1065.3	1073.5
-7.5°	1043.2	1037.6	1036.3	1036.3	1036.3	1037.6	1043.2	1051.3	1060.1	1066.8	1073.3
-10°	1040.7	1034.6	1031.1	1027.5	1031.1	1034.6	1040.7	1046.5	1054.8	1064.6	1073.4
-12.5°	1033.0	1030.6	1028.6	1025.6	1028.6	1030.6	1033.0	1040.1	1048.6	1056.5	1068.3
-15°	1026.2	1022.4	1018.6	1013.8	1018.6	1022.4	1026.2	1031.8	1038.6	1048.4	1059.8
-17.5°	1016.7	1013.7	1009.3	1003.5	1009.3	1013.7	1016.7	1019.1	1028.8	1039.0	1047.5
-20°	1005.5	1001.7	997.6	992.2	997.6	1001.7	1005.5	1010.1	1016.5	1025.1	1036.4

Classified

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

Scaled Data Report



REPORT NUMBER: P670568 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLM40FSUNVDBZK-25W-5000K

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	991.3	986.0	979.7	971.7	979.7	986.0	991.3	996.0	1000.9	1012.0	1023.6
-25°	975.1	967.8	959.6	950.0	959.6	967.8	975.1	981.7	987.8	996.6	1008.1
-27.5°	958.0	950.4	941.8	931.5	941.8	950.4	958.0	965.2	972.4	978.8	990.5
-30°	936.8	927.7	917.4	905.3	917.4	927.7	936.8	945.1	953.0	960.8	971.4
-32.5°	912.9	902.0	889.9	876.1	889.9	902.0	912.9	923.0	932.6	941.5	950.9
-35°	887.8	875.8	862.6	847.6	862.6	875.8	887.8	898.9	909.5	920.0	930.3
-37.5°	859.4	845.6	830.6	813.9	830.6	845.6	859.4	872.2	884.5	896.5	907.9
-40°	828.8	813.4	796.6	778.3	796.6	813.4	828.8	843.1	856.8	870.1	883.0
-42.5°	795.5	778.5	760.1	740.0	760.1	778.5	795.5	811.6	826.9	841.8	856.7
-45°	760.2	741.4	721.3	699.7	721.3	741.4	760.2	778.2	795.7	813.1	830.4
-47.5°	722.5	701.4	679.0	655.0	679.0	701.4	722.5	742.5	761.7	780.6	799.0
-50°	681.7	658.4	633.9	608.0	633.9	658.4	681.7	704.1	725.9	747.4	768.8
-52.5°	640.3	614.8	588.0	559.8	588.0	614.8	640.3	664.9	688.8	712.3	735.5
-55°	596.6	568.9	540.1	509.9	540.1	568.9	596.6	623.4	649.5	675.2	700.6
-57.5°	551.3	521.4	490.4	458.1	490.4	521.4	551.3	580.3	608.7	636.5	664.1
-60°	504.7	472.7	439.6	405.3	439.6	472.7	504.7	535.7	566.0	595.6	624.6
-62.5°	456.9	423.3	388.7	353.1	388.7	423.3	456.9	489.5	521.3	552.4	582.9
-65°	408.4	373.6	337.9	301.2	337.9	373.6	408.4	442.3	475.3	507.5	539.0
-67.5°	359.3	324.1	288.0	250.8	288.0	324.1	359.3	393.5	426.8	459.2	490.7
-70°	305.1	270.3	234.3	197.4	234.3	270.3	305.1	338.5	370.1	400.0	427.8
-72.5°	242.3	211.7	180.2	147.9	180.2	211.7	242.3	271.5	299.2	325.1	349.0
-75°	185.0	160.4	134.9	108.7	134.9	160.4	185.0	208.4	230.4	250.8	269.3
-77.5°	128.4	110.6	92.0	73.0	92.0	110.6	128.4	145.5	161.4	176.0	189.2
-80°	80.7	69.5	57.8	45.8	57.8	69.5	80.7	91.6	101.9	111.4	120.0
-82.5°	49.4	42.9	36.2	29.4	36.2	42.9	49.4	55.7	61.5	67.1	72.2
-85°	28.4	25.4	22.5	19.5	22.5	25.4	28.4	31.1	33.8	36.2	38.5
-87.5°	13.6	12.8	11.8	10.8	11.8	12.8	13.6	14.5	15.3	16.0	16.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P670568 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLM40FSUNVDBZK-25W-5000K

**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°	17.4	18.0	18.6	19.0	19.4	18.3	17.2	16.1	15.0	13.9	12.9
85°	40.6	42.5	44.2	45.7	46.7	43.1	39.6	36.2	33.0	29.9	26.9
82.5°	76.8	80.8	84.2	87.0	88.1	79.7	71.5	63.7	56.3	49.4	43.0
80°	127.8	134.6	140.1	144.5	144.9	129.9	115.2	100.9	87.2	75.2	65.1
77.5°	200.7	210.4	218.0	223.4	220.3	196.2	172.4	150.4	131.9	114.0	97.0
75°	285.7	299.8	311.3	320.2	313.7	282.2	251.7	222.1	193.2	165.1	138.0
72.5°	370.7	390.0	406.7	420.6	410.2	372.9	335.5	298.4	261.8	225.9	191.8
70°	453.4	476.5	497.2	515.2	498.2	458.9	418.4	376.6	333.6	291.4	250.7
67.5°	521.3	551.0	579.9	605.0	580.5	541.3	499.6	455.5	409.3	362.1	313.5
65°	569.8	599.9	629.4	656.6	635.7	608.2	576.0	534.2	486.0	435.1	381.7
62.5°	612.9	642.5	671.2	692.8	677.0	656.4	629.6	595.8	556.3	510.1	454.2
60°	653.2	681.7	709.2	724.1	715.0	701.0	679.3	651.5	617.3	573.6	523.1
57.5°	691.4	718.4	744.8	754.5	750.9	741.6	726.2	705.0	674.3	635.4	588.4
55°	726.0	751.2	776.6	783.9	784.8	779.9	770.4	753.8	728.4	696.2	650.7
52.5°	758.6	781.8	803.2	811.2	815.3	815.3	810.9	798.0	779.7	750.2	711.4
50°	790.1	811.2	827.9	837.4	844.0	847.9	846.1	838.9	824.3	800.7	767.6
47.5°	818.2	838.0	853.0	863.7	871.8	877.3	878.6	876.4	864.7	847.4	817.2
45°	846.8	863.1	876.0	888.2	898.7	905.3	909.0	907.9	902.5	887.1	864.8
42.5°	872.3	888.0	901.3	912.6	922.8	931.5	937.3	938.1	934.4	924.9	904.2
40°	895.9	909.7	923.9	937.3	947.6	956.1	962.6	966.9	964.4	956.9	942.6
37.5°	920.0	933.2	946.0	958.6	970.6	980.5	987.2	991.6	993.1	986.9	974.3
35°	943.0	955.8	968.1	980.0	991.6	1002.3	1011.0	1015.9	1017.6	1015.2	1003.5
32.5°	963.9	976.6	989.4	1000.6	1011.8	1022.8	1032.1	1038.9	1041.8	1040.1	1017.8
30°	983.9	996.0	1008.1	1020.5	1031.3	1041.8	1052.2	1059.9	1064.1	1053.6	1031.3
27.5°	1002.4	1014.7	1026.1	1037.8	1050.0	1060.3	1070.3	1079.8	1077.5	1062.3	1041.1
25°	1019.3	1031.2	1043.5	1054.8	1066.4	1078.4	1088.1	1090.7	1083.5	1070.4	1051.1
22.5°	1034.7	1046.3	1058.7	1071.4	1082.4	1094.2	1098.5	1094.8	1089.9	1077.5	1058.7
20°	1049.0	1060.1	1072.5	1085.7	1098.4	1101.6	1102.7	1099.2	1093.7	1083.5	1065.8
17.5°	1060.0	1073.7	1085.1	1099.2	1103.5	1104.9	1105.5	1103.9	1097.7	1089.6	1072.7
15°	1069.0	1084.7	1095.5	1100.5	1105.3	1108.5	1108.3	1108.9	1101.7	1094.2	1077.8
12.5°	1080.4	1087.7	1097.8	1102.7	1107.5	1111.4	1111.5	1111.6	1106.0	1097.5	1082.5
10°	1082.6	1088.0	1097.8	1105.1	1110.0	1113.7	1114.9	1114.4	1110.3	1100.7	1087.0
7.5°	1081.7	1089.8	1098.1	1107.3	1113.0	1116.2	1118.3	1117.2	1114.4	1103.6	1090.9
5°	1081.7	1091.4	1099.4	1109.5	1116.7	1119.0	1121.7	1120.0	1118.3	1106.3	1094.2
2.5°	1082.6	1093.1	1101.8	1112.0	1120.6	1122.1	1125.1	1122.8	1121.8	1108.6	1096.6
0°	1084.7	1095.6	1105.2	1115.0	1124.8	1125.3	1128.3	1125.6	1124.6	1110.3	1098.1
-2.5°	1082.6	1093.1	1101.8	1112.0	1120.6	1122.1	1125.1	1122.8	1121.8	1108.6	1096.6
-5°	1081.7	1091.4	1099.4	1109.5	1116.7	1119.0	1121.7	1120.0	1118.3	1106.3	1094.2
-7.5°	1081.7	1089.8	1098.1	1107.3	1113.0	1116.2	1118.3	1117.2	1114.4	1103.6	1090.9
-10°	1082.6	1088.0	1097.8	1105.1	1110.0	1113.7	1114.9	1114.4	1110.3	1100.7	1087.0
-12.5°	1080.4	1087.7	1097.8	1102.7	1107.5	1111.4	1111.5	1111.6	1106.0	1097.5	1082.5
-15°	1069.0	1084.7	1095.5	1100.5	1105.3	1108.5	1108.3	1108.9	1101.7	1094.2	1077.8
-17.5°	1060.0	1073.7	1085.1	1099.2	1103.5	1104.9	1105.5	1103.9	1097.7	1089.6	1072.7
-20°	1049.0	1060.1	1072.5	1085.7	1098.4	1101.6	1102.7	1099.2	1093.7	1083.5	1065.8

Classified

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

Scaled Data Report



REPORT NUMBER: P670568 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLM40FSUNVDBZK-25W-5000K

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1034.7	1046.3	1058.7	1071.4	1082.4	1094.2	1098.5	1094.8	1089.9	1077.5	1058.7
-25°	1019.3	1031.2	1043.5	1054.8	1066.4	1078.4	1088.1	1090.7	1083.5	1070.4	1051.1
-27.5°	1002.4	1014.7	1026.1	1037.8	1050.0	1060.3	1070.3	1079.8	1077.5	1062.3	1041.1
-30°	983.9	996.0	1008.1	1020.5	1031.3	1041.8	1052.2	1059.9	1064.1	1053.6	1031.3
-32.5°	963.9	976.6	989.4	1000.6	1011.8	1022.8	1032.1	1038.9	1041.8	1040.1	1017.8
-35°	943.0	955.8	968.1	980.0	991.6	1002.3	1011.0	1015.9	1017.6	1015.2	1003.5
-37.5°	920.0	933.2	946.0	958.6	970.6	980.5	987.2	991.6	993.1	986.9	974.3
-40°	895.9	909.7	923.9	937.3	947.6	956.1	962.6	966.9	964.4	956.9	942.6
-42.5°	872.3	888.0	901.3	912.6	922.8	931.5	937.3	938.1	934.4	924.9	904.2
-45°	846.8	863.1	876.0	888.2	898.7	905.3	909.0	907.9	902.5	887.1	864.8
-47.5°	818.2	838.0	853.0	863.7	871.8	877.3	878.6	876.4	864.7	847.4	817.2
-50°	790.1	811.2	827.9	837.4	844.0	847.9	846.1	838.9	824.3	800.7	767.6
-52.5°	758.6	781.8	803.2	811.2	815.3	815.3	810.9	798.0	779.7	750.2	711.4
-55°	726.0	751.2	776.6	783.9	784.8	779.9	770.4	753.8	728.4	696.2	650.7
-57.5°	691.4	718.4	744.8	754.5	750.9	741.6	726.2	705.0	674.3	635.4	588.4
-60°	653.2	681.7	709.2	724.1	715.0	701.0	679.3	651.5	617.3	573.6	523.1
-62.5°	612.9	642.5	671.2	692.8	677.0	656.4	629.6	595.8	556.3	510.1	454.2
-65°	569.8	599.9	629.4	656.6	635.7	608.2	576.0	534.2	486.0	435.1	381.7
-67.5°	521.3	551.0	579.9	605.0	580.5	541.3	499.6	455.5	409.3	362.1	313.5
-70°	453.4	476.5	497.2	515.2	498.2	458.9	418.4	376.6	333.6	291.4	250.7
-72.5°	370.7	390.0	406.7	420.6	410.2	372.9	335.5	298.4	261.8	225.9	191.8
-75°	285.7	299.8	311.3	320.2	313.7	282.2	251.7	222.1	193.2	165.1	138.0
-77.5°	200.7	210.4	218.0	223.4	220.3	196.2	172.4	150.4	131.9	114.0	97.0
-80°	127.8	134.6	140.1	144.5	144.9	129.9	115.2	100.9	87.2	75.2	65.1
-82.5°	76.8	80.8	84.2	87.0	88.1	79.7	71.5	63.7	56.3	49.4	43.0
-85°	40.6	42.5	44.2	45.7	46.7	43.1	39.6	36.2	33.0	29.9	26.9
-87.5°	17.4	18.0	18.6	19.0	19.4	18.3	17.2	16.1	15.0	13.9	12.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P670568 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLM40FSUNVDBZK-25W-5000K

**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°	11.8	10.8	9.8	8.8	7.9	6.9	6.0	5.1	4.2	3.5	2.8
85°	24.2	21.7	19.4	17.3	15.5	13.9	12.0	10.2	8.5	7.0	5.6
82.5°	37.2	32.6	28.5	24.7	21.4	18.4	16.3	14.2	12.2	10.3	8.3
80°	55.7	47.2	39.6	33.0	27.4	22.9	20.2	17.6	15.1	12.8	10.5
77.5°	80.9	65.8	51.8	41.9	33.8	27.6	24.2	21.0	18.0	15.1	12.5
75°	112.0	92.0	74.3	58.0	43.3	32.1	28.3	24.5	21.0	17.5	14.3
72.5°	160.4	130.4	102.0	76.1	58.1	44.8	35.4	28.0	24.0	20.0	16.3
70°	211.3	173.0	138.8	107.6	78.4	57.5	46.4	36.3	27.0	22.5	18.4
67.5°	264.0	220.8	179.2	139.4	105.1	80.4	58.8	45.4	34.7	25.1	20.4
65°	328.7	274.5	220.3	176.1	133.9	104.1	79.7	56.8	42.1	31.2	22.4
62.5°	395.3	334.6	275.8	215.9	167.2	132.7	99.6	74.2	50.8	37.1	26.4
60°	465.1	400.4	332.5	267.5	208.1	162.5	125.4	90.8	65.0	42.7	30.9
57.5°	531.3	466.5	395.6	321.2	256.4	199.1	151.8	112.0	78.5	52.9	35.2
55°	597.0	532.4	458.8	380.4	306.1	240.6	181.4	135.1	93.0	63.8	39.2
52.5°	660.5	597.7	523.9	440.3	359.2	281.9	216.8	157.3	113.0	73.9	47.3
50°	720.7	661.6	588.2	500.5	410.6	327.8	250.2	186.2	132.1	85.6	55.3
47.5°	777.8	721.4	648.5	557.1	463.2	371.2	287.4	214.2	150.3	101.7	62.7
45°	827.0	778.2	701.0	609.1	512.8	415.3	324.2	240.2	173.4	117.1	69.5
42.5°	874.3	824.2	746.6	658.3	558.5	458.0	358.7	270.3	194.9	131.6	79.4
40°	914.2	859.6	787.6	698.9	601.4	497.8	394.4	299.1	214.7	146.5	91.4
37.5°	946.5	889.4	819.8	737.7	640.5	534.6	428.0	325.6	234.4	162.6	102.5
35°	965.5	915.4	851.1	770.1	674.3	568.7	458.8	351.3	256.3	177.3	112.9
32.5°	983.9	938.4	875.1	797.6	706.0	600.2	487.2	376.8	276.1	190.5	122.5
30°	998.5	955.2	897.9	823.8	733.7	627.0	513.3	399.9	293.8	202.2	131.6
27.5°	1011.9	971.8	918.4	844.7	755.6	651.4	536.8	420.3	309.4	213.9	141.0
25°	1024.0	984.7	932.6	863.2	775.9	673.5	557.6	438.2	324.8	226.4	149.1
22.5°	1032.6	996.0	946.1	880.5	794.5	693.2	575.3	454.6	338.9	237.1	156.0
20°	1041.0	1006.9	958.9	895.4	809.2	707.3	590.4	468.4	350.8	246.0	161.7
17.5°	1048.7	1015.3	967.7	904.8	820.8	719.3	603.0	479.8	360.3	253.2	166.2
15°	1053.9	1021.2	975.1	913.0	830.8	729.2	613.0	488.5	367.6	258.6	169.5
12.5°	1058.7	1026.4	981.4	919.8	838.8	736.9	620.5	494.8	372.6	262.2	171.7
10°	1062.9	1030.8	986.5	925.0	844.8	742.1	625.3	498.4	375.4	264.2	172.8
7.5°	1066.2	1034.2	990.1	928.5	848.4	744.8	627.4	499.4	376.0	264.5	172.8
5°	1068.7	1036.4	992.2	930.0	849.6	744.8	626.6	497.8	374.4	263.2	171.8
2.5°	1070.1	1037.2	992.5	929.4	848.2	742.0	623.0	493.8	370.7	260.4	169.8
0°	1070.3	1036.5	990.8	926.4	843.9	736.3	616.6	487.2	365.0	256.1	166.9
-2.5°	1070.1	1037.2	992.5	929.4	848.2	742.0	623.0	493.8	370.7	260.4	169.8
-5°	1068.7	1036.4	992.2	930.0	849.6	744.8	626.6	497.8	374.4	263.2	171.8
-7.5°	1066.2	1034.2	990.1	928.5	848.4	744.8	627.4	499.4	376.0	264.5	172.8
-10°	1062.9	1030.8	986.5	925.0	844.8	742.1	625.3	498.4	375.4	264.2	172.8
-12.5°	1058.7	1026.4	981.4	919.8	838.8	736.9	620.5	494.8	372.6	262.2	171.7
-15°	1053.9	1021.2	975.1	913.0	830.8	729.2	613.0	488.5	367.6	258.6	169.5
-17.5°	1048.7	1015.3	967.7	904.8	820.8	719.3	603.0	479.8	360.3	253.2	166.2
-20°	1041.0	1006.9	958.9	895.4	809.2	707.3	590.4	468.4	350.8	246.0	161.7



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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°	1032.6	996.0	946.1	880.5	794.5	693.2	575.3	454.6	338.9	237.1	156.0
-25°	1024.0	984.7	932.6	863.2	775.9	673.5	557.6	438.2	324.8	226.4	149.1
-27.5°	1011.9	971.8	918.4	844.7	755.6	651.4	536.8	420.3	309.4	213.9	141.0
-30°	998.5	955.2	897.9	823.8	733.7	627.0	513.3	399.9	293.8	202.2	131.6
-32.5°	983.9	938.4	875.1	797.6	706.0	600.2	487.2	376.8	276.1	190.5	122.5
-35°	965.5	915.4	851.1	770.1	674.3	568.7	458.8	351.3	256.3	177.3	112.9
-37.5°	946.5	889.4	819.8	737.7	640.5	534.6	428.0	325.6	234.4	162.6	102.5
-40°	914.2	859.6	787.6	698.9	601.4	497.8	394.4	299.1	214.7	146.5	91.4
-42.5°	874.3	824.2	746.6	658.3	558.5	458.0	358.7	270.3	194.9	131.6	79.4
-45°	827.0	778.2	701.0	609.1	512.8	415.3	324.2	240.2	173.4	117.1	69.5
-47.5°	777.8	721.4	648.5	557.1	463.2	371.2	287.4	214.2	150.3	101.7	62.7
-50°	720.7	661.6	588.2	500.5	410.6	327.8	250.2	186.2	132.1	85.6	55.3
-52.5°	660.5	597.7	523.9	440.3	359.2	281.9	216.8	157.3	113.0	73.9	47.3
-55°	597.0	532.4	458.8	380.4	306.1	240.6	181.4	135.1	93.0	63.8	39.2
-57.5°	531.3	466.5	395.6	321.2	256.4	199.1	151.8	112.0	78.5	52.9	35.2
-60°	465.1	400.4	332.5	267.5	208.1	162.5	125.4	90.8	65.0	42.7	30.9
-62.5°	395.3	334.6	275.8	215.9	167.2	132.7	99.6	74.2	50.8	37.1	26.4
-65°	328.7	274.5	220.3	176.1	133.9	104.1	79.7	56.8	42.1	31.2	22.4
-67.5°	264.0	220.8	179.2	139.4	105.1	80.4	58.8	45.4	34.7	25.1	20.4
-70°	211.3	173.0	138.8	107.6	78.4	57.5	46.4	36.3	27.0	22.5	18.4
-72.5°	160.4	130.4	102.0	76.1	58.1	44.8	35.4	28.0	24.0	20.0	16.3
-75°	112.0	92.0	74.3	58.0	43.3	32.1	28.3	24.5	21.0	17.5	14.3
-77.5°	80.9	65.8	51.8	41.9	33.8	27.6	24.2	21.0	18.0	15.1	12.5
-80°	55.7	47.2	39.6	33.0	27.4	22.9	20.2	17.6	15.1	12.8	10.5
-82.5°	37.2	32.6	28.5	24.7	21.4	18.4	16.3	14.2	12.2	10.3	8.3
-85°	24.2	21.7	19.4	17.3	15.5	13.9	12.0	10.2	8.5	7.0	5.6
-87.5°	11.8	10.8	9.8	8.8	7.9	6.9	6.0	5.1	4.2	3.5	2.8
-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°	2.1	1.6	1.1	0.7	0.4	0.2	0.0
85°	4.3	3.2	2.2	1.4	0.8	0.3	0.0
82.5°	6.4	4.8	3.4	2.1	1.2	0.5	0.0
80°	8.4	6.3	4.5	2.8	1.6	0.6	0.0
77.5°	10.0	7.7	5.5	3.5	2.0	0.8	0.0
75°	11.5	8.9	6.5	4.2	2.3	0.9	0.0
72.5°	13.0	10.0	7.4	4.8	2.7	1.1	0.0
70°	14.5	11.2	8.2	5.5	3.1	1.2	0.0
67.5°	16.1	12.2	9.0	6.0	3.4	1.4	0.0
65°	17.8	13.4	9.7	6.5	3.7	1.5	0.0
62.5°	19.3	14.6	10.4	7.0	4.1	1.7	0.0
60°	20.8	15.8	11.1	7.5	4.4	1.8	0.0
57.5°	24.0	16.9	11.9	7.9	4.6	1.9	0.0
55°	27.3	18.0	12.8	8.3	4.9	2.0	0.0
52.5°	30.3	19.2	13.6	8.7	5.1	2.1	0.0
50°	33.1	21.4	14.3	9.1	5.4	2.2	0.0
47.5°	36.1	23.5	15.0	9.5	5.6	2.3	0.0
45°	41.8	25.3	15.6	9.9	5.8	2.4	0.0
42.5°	47.1	27.0	16.2	10.4	5.9	2.5	0.0
40°	51.8	28.4	17.1	10.8	6.1	2.6	0.0
37.5°	56.1	29.7	18.1	11.1	6.2	2.6	0.0
35°	59.8	32.2	19.0	11.4	6.4	2.7	0.0
32.5°	64.5	35.1	19.8	11.7	6.5	2.7	0.0
30°	72.0	37.6	20.5	11.9	6.6	2.8	0.0
27.5°	78.8	39.7	21.0	12.1	6.6	2.8	0.0
25°	84.9	41.5	21.4	12.3	6.7	2.8	0.0
22.5°	90.2	42.9	21.7	12.4	6.7	2.8	0.0
20°	94.8	43.9	21.9	12.5	6.7	2.9	0.0
17.5°	98.6	44.6	22.0	12.5	6.7	2.9	0.0
15°	101.7	45.0	21.9	12.5	6.7	2.9	0.0
12.5°	104.0	45.1	21.8	12.5	6.6	2.8	0.0
10°	105.5	44.8	21.5	12.4	6.6	2.8	0.0
7.5°	106.3	44.3	21.1	12.3	6.5	2.8	0.0
5°	106.4	43.5	20.7	12.2	6.4	2.8	0.0
2.5°	105.7	42.5	20.2	12.0	6.3	2.7	0.0
0°	104.2	41.2	19.6	11.8	6.2	2.7	0.0
-2.5°	105.7	42.5	20.2	12.0	6.3	2.7	0.0
-5°	106.4	43.5	20.7	12.2	6.4	2.8	0.0
-7.5°	106.3	44.3	21.1	12.3	6.5	2.8	0.0
-10°	105.5	44.8	21.5	12.4	6.6	2.8	0.0
-12.5°	104.0	45.1	21.8	12.5	6.6	2.8	0.0
-15°	101.7	45.0	21.9	12.5	6.7	2.9	0.0
-17.5°	98.6	44.6	22.0	12.5	6.7	2.9	0.0
-20°	94.8	43.9	21.9	12.5	6.7	2.9	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	90.2	42.9	21.7	12.4	6.7	2.8	0.0
-25°	84.9	41.5	21.4	12.3	6.7	2.8	0.0
-27.5°	78.8	39.7	21.0	12.1	6.6	2.8	0.0
-30°	72.0	37.6	20.5	11.9	6.6	2.8	0.0
-32.5°	64.5	35.1	19.8	11.7	6.5	2.7	0.0
-35°	59.8	32.2	19.0	11.4	6.4	2.7	0.0
-37.5°	56.1	29.7	18.1	11.1	6.2	2.6	0.0
-40°	51.8	28.4	17.1	10.8	6.1	2.6	0.0
-42.5°	47.1	27.0	16.2	10.4	5.9	2.5	0.0
-45°	41.8	25.3	15.6	9.9	5.8	2.4	0.0
-47.5°	36.1	23.5	15.0	9.5	5.6	2.3	0.0
-50°	33.1	21.4	14.3	9.1	5.4	2.2	0.0
-52.5°	30.3	19.2	13.6	8.7	5.1	2.1	0.0
-55°	27.3	18.0	12.8	8.3	4.9	2.0	0.0
-57.5°	24.0	16.9	11.9	7.9	4.6	1.9	0.0
-60°	20.8	15.8	11.1	7.5	4.4	1.8	0.0
-62.5°	19.3	14.6	10.4	7.0	4.1	1.7	0.0
-65°	17.8	13.4	9.7	6.5	3.7	1.5	0.0
-67.5°	16.1	12.2	9.0	6.0	3.4	1.4	0.0
-70°	14.5	11.2	8.2	5.5	3.1	1.2	0.0
-72.5°	13.0	10.0	7.4	4.8	2.7	1.1	0.0
-75°	11.5	8.9	6.5	4.2	2.3	0.9	0.0
-77.5°	10.0	7.7	5.5	3.5	2.0	0.8	0.0
-80°	8.4	6.3	4.5	2.8	1.6	0.6	0.0
-82.5°	6.4	4.8	3.4	2.1	1.2	0.5	0.0
-85°	4.3	3.2	2.2	1.4	0.8	0.3	0.0
-87.5°	2.1	1.6	1.1	0.7	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)