

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: P670566 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLM40FSUNVDBZK-25W-3000K

Issue Date: 4/3/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P670566 (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-3000K  
Description: SLIM LED FLOODLIGHT  
Light Source: 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

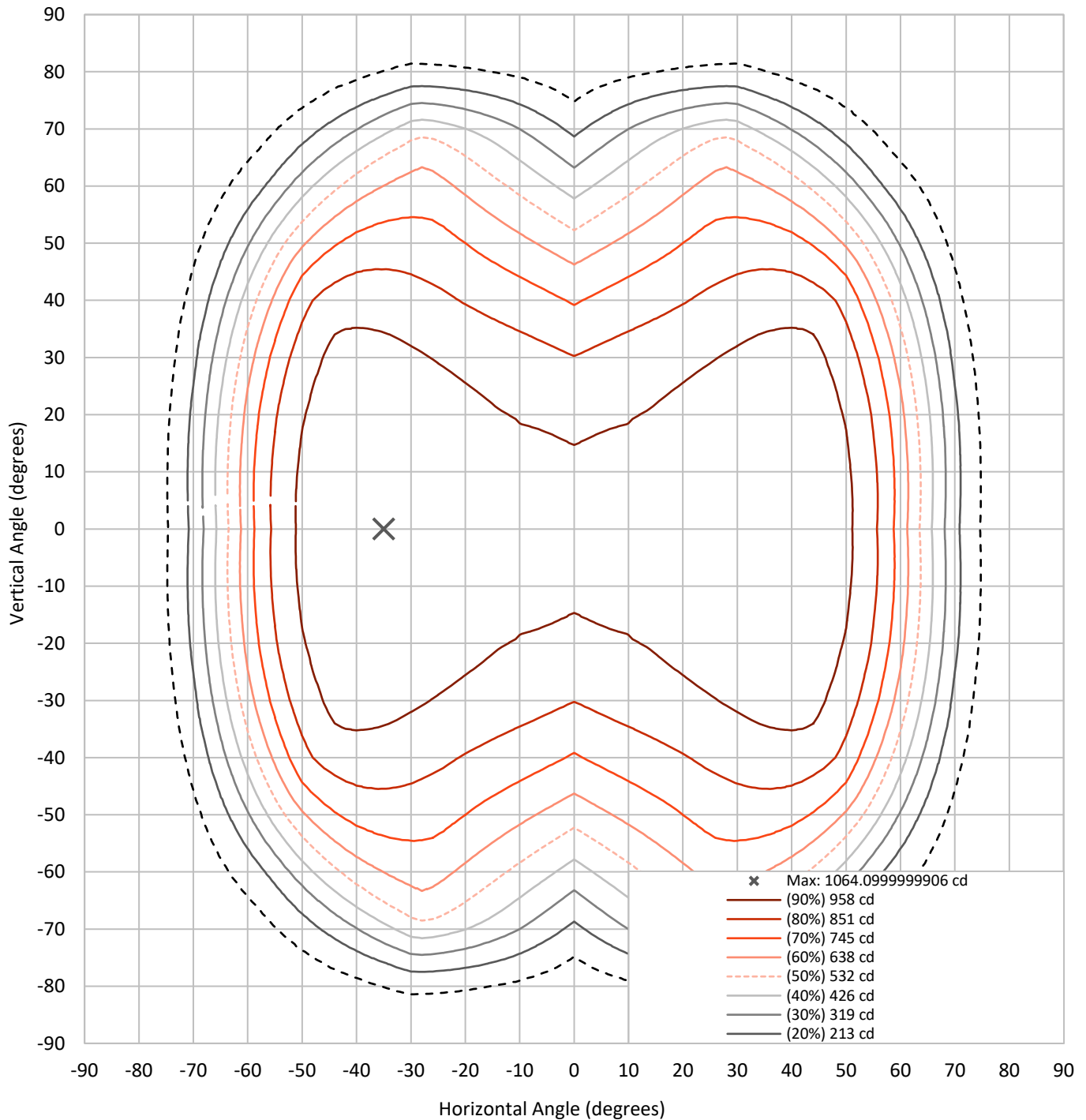
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	3660.4 lumens	Max Intensity:	1064.1 candela
Efficiency:	N/A	Max Intensity Angle:	-35°H x 0°V
Efficacy:	139.2 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:	3177.1 lumens	Field Lumens:	3615.8 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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CATALOG NUMBER: GFLM40FSUNVDBZK-25W-3000K

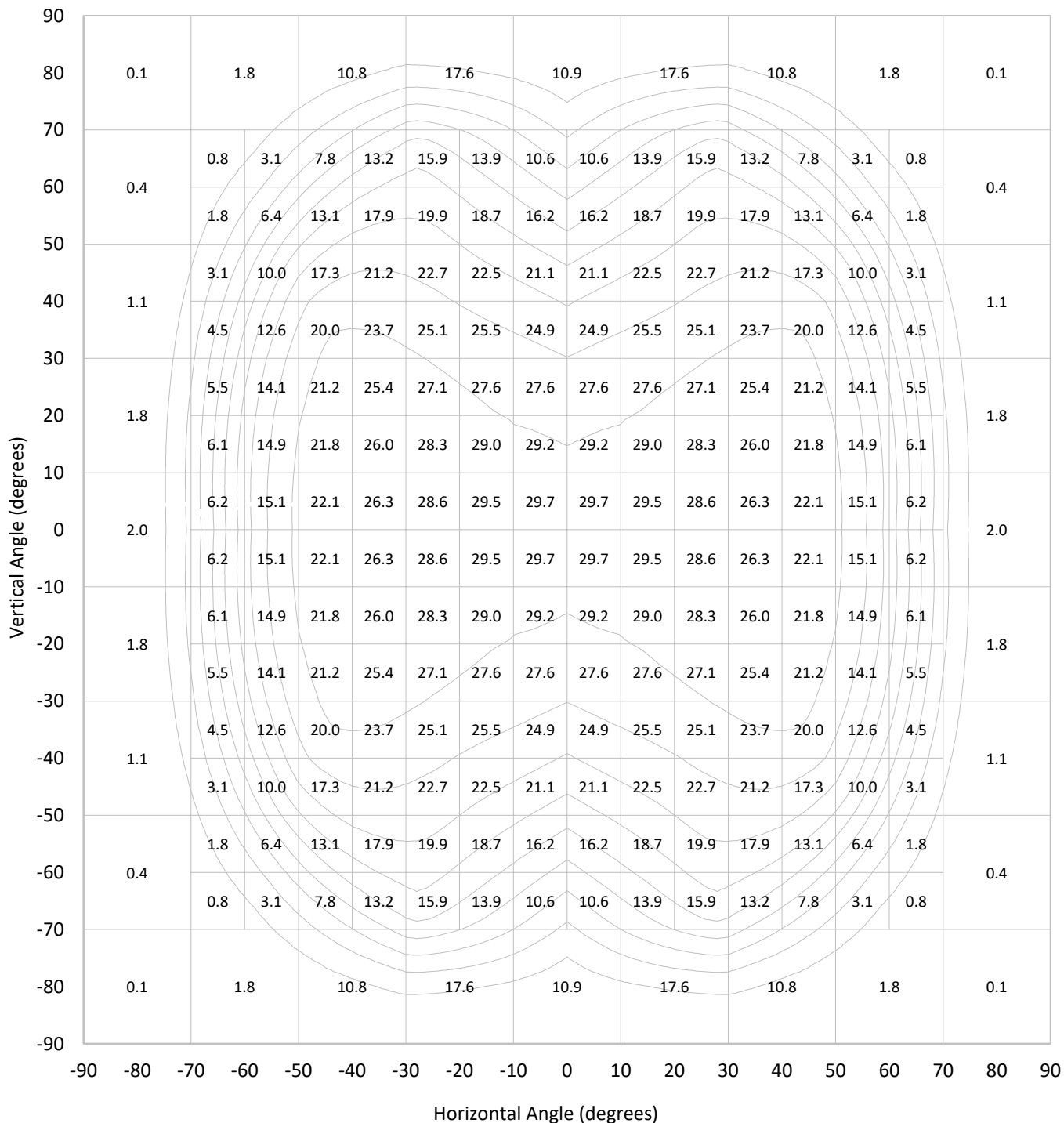
### Iso-Candela Plot





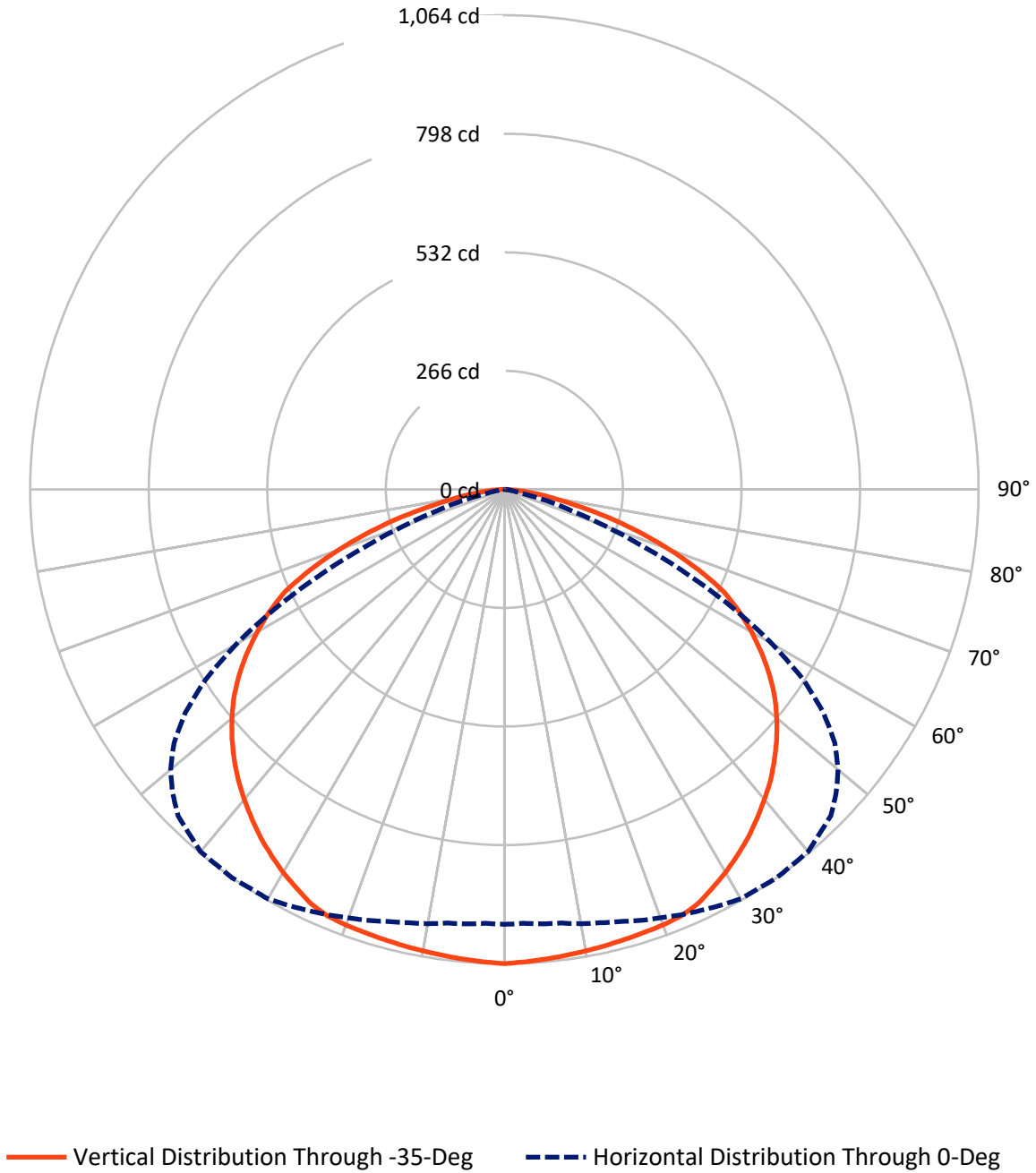
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### Lumen Table



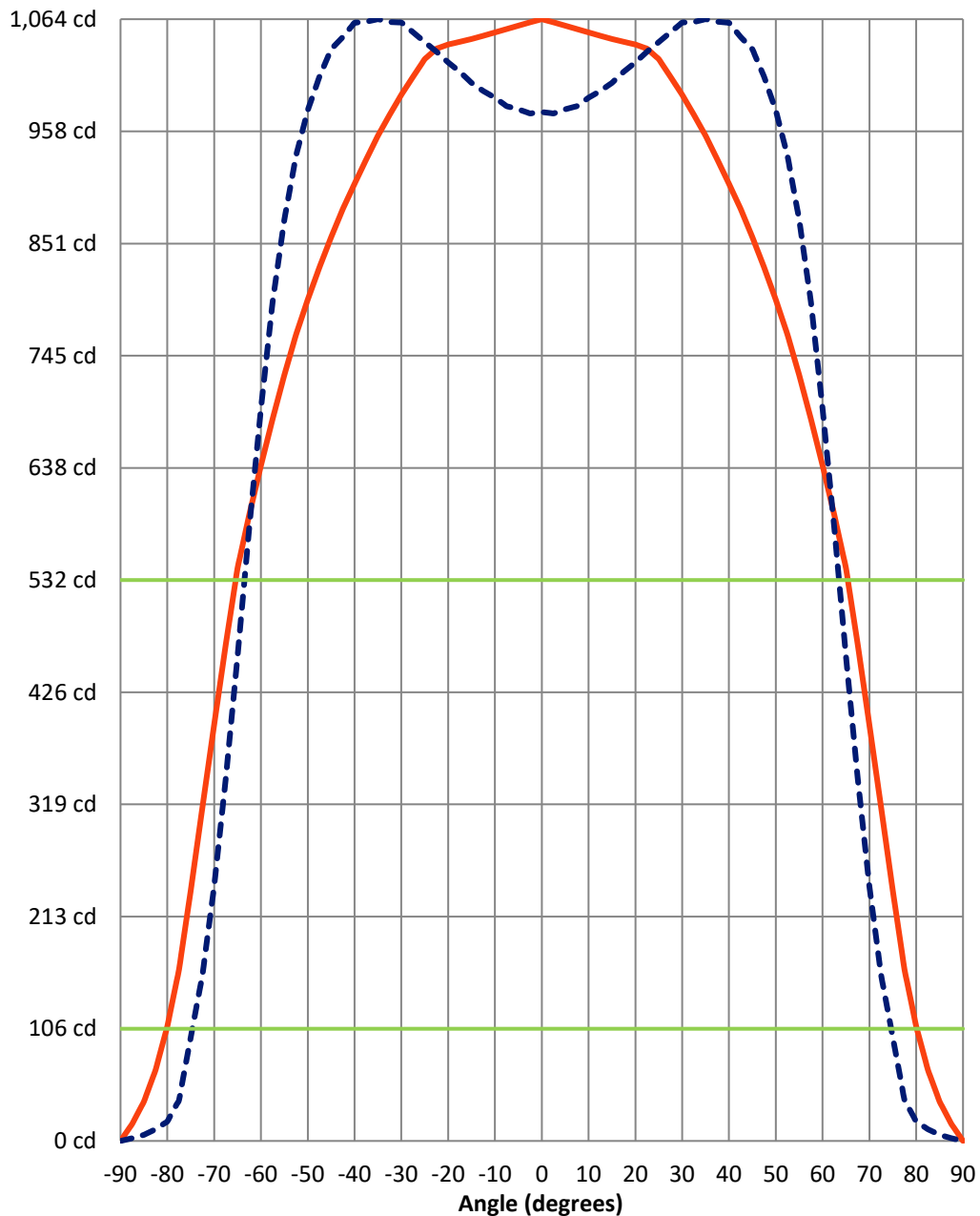
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CATALOG NUMBER: GFLM40FSUNVDBZK-25W-3000K

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 127°  
 V Angle: 130.8°  
 Lumens: 3177.1  
 Efficiency: 86.8%

**Field:**  
 H Angle: 149.3°  
 V Angle: 160.3°  
 Lumens: 3615.8  
 Efficiency: 98.8%

**Spill:**  
 Lumens: 44.6  
 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	1.5	2.0	2.6	3.3	4.0	4.8
85°	0.0	0.3	0.8	1.4	2.1	3.0	4.1	5.3	6.5	8.0	9.6
82.5°	0.0	0.5	1.1	2.0	3.2	4.5	6.1	7.9	9.7	11.5	13.4
80°	0.0	0.6	1.5	2.7	4.2	6.0	8.0	10.0	12.0	14.2	16.6
77.5°	0.0	0.8	1.9	3.3	5.2	7.3	9.5	11.8	14.3	16.9	19.8
75°	0.0	0.9	2.2	4.0	6.1	8.4	10.9	13.6	16.5	19.8	23.1
72.5°	0.0	1.0	2.6	4.6	6.9	9.5	12.3	15.4	18.9	22.6	26.4
70°	0.0	1.2	2.9	5.2	7.7	10.5	13.6	17.4	21.3	25.4	34.2
67.5°	0.0	1.3	3.3	5.7	8.4	11.5	15.2	19.3	23.7	32.7	42.8
65°	0.0	1.4	3.6	6.2	9.1	12.6	16.7	21.2	29.5	39.7	53.6
62.5°	0.0	1.6	3.9	6.6	9.8	13.8	18.2	24.9	35.0	47.9	70.0
60°	0.0	1.7	4.2	7.1	10.4	14.9	19.6	29.2	40.3	61.3	85.6
57.5°	0.0	1.8	4.4	7.5	11.2	16.0	22.6	33.2	49.9	74.0	105.7
55°	0.0	1.9	4.6	7.9	12.0	17.0	25.7	37.0	60.1	87.7	127.4
52.5°	0.0	2.0	4.9	8.2	12.8	18.2	28.6	44.6	69.7	106.5	148.4
50°	0.0	2.1	5.1	8.6	13.5	20.3	31.2	52.2	80.7	124.5	175.6
47.5°	0.0	2.2	5.3	8.9	14.1	22.2	34.1	59.2	95.9	141.7	202.0
45°	0.0	2.3	5.4	9.4	14.7	23.9	39.5	65.6	110.4	163.5	226.6
42.5°	0.0	2.4	5.6	9.8	15.3	25.4	44.4	75.0	124.1	183.8	254.9
40°	0.0	2.4	5.7	10.1	16.1	26.8	48.9	86.2	138.2	202.5	282.1
37.5°	0.0	2.5	5.9	10.5	17.1	28.0	52.9	96.7	153.4	221.1	307.1
35°	0.0	2.6	6.0	10.8	17.9	30.3	56.4	106.5	167.3	241.7	331.3
32.5°	0.0	2.6	6.1	11.0	18.7	33.1	60.9	115.5	179.7	260.4	355.4
30°	0.0	2.6	6.1	11.3	19.3	35.4	68.0	124.1	190.7	277.1	377.1
27.5°	0.0	2.7	6.2	11.5	19.8	37.4	74.3	133.0	201.7	291.8	396.4
25°	0.0	2.7	6.2	11.6	20.2	39.1	80.1	140.6	213.5	306.3	413.3
22.5°	0.0	2.7	6.3	11.7	20.5	40.4	85.1	147.2	223.6	319.7	428.7
20°	0.0	2.7	6.3	11.8	20.7	41.4	89.4	152.5	232.0	330.8	441.8
17.5°	0.0	2.7	6.3	11.9	20.7	42.1	93.0	156.8	238.8	339.8	452.5
15°	0.0	2.7	6.2	11.9	20.7	42.4	95.9	159.9	243.9	346.7	460.8
12.5°	0.0	2.7	6.2	11.8	20.5	42.5	98.1	162.0	247.3	351.4	466.6
10°	0.0	2.7	6.2	11.7	20.3	42.3	99.5	163.0	249.1	354.0	470.1
7.5°	0.0	2.7	6.1	11.6	20.0	41.8	100.3	163.0	249.4	354.6	471.0
5°	0.0	2.7	6.0	11.5	19.5	41.0	100.3	162.0	248.2	353.1	469.6
2.5°	0.0	2.6	5.9	11.3	19.1	40.0	99.6	160.1	245.6	349.7	465.7
0°	0.0	2.6	5.8	11.1	18.5	38.8	98.2	157.4	241.5	344.3	459.5
-2.5°	0.0	2.6	5.9	11.3	19.1	40.0	99.6	160.1	245.6	349.7	465.7
-5°	0.0	2.7	6.0	11.5	19.5	41.0	100.3	162.0	248.2	353.1	469.6
-7.5°	0.0	2.7	6.1	11.6	20.0	41.8	100.3	163.0	249.4	354.6	471.0
-10°	0.0	2.7	6.2	11.7	20.3	42.3	99.5	163.0	249.1	354.0	470.1
-12.5°	0.0	2.7	6.2	11.8	20.5	42.5	98.1	162.0	247.3	351.4	466.6
-15°	0.0	2.7	6.2	11.9	20.7	42.4	95.9	159.9	243.9	346.7	460.8
-17.5°	0.0	2.7	6.3	11.9	20.7	42.1	93.0	156.8	238.8	339.8	452.5
-20°	0.0	2.7	6.3	11.8	20.7	41.4	89.4	152.5	232.0	330.8	441.8

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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	2.7	6.3	11.7	20.5	40.4	85.1	147.2	223.6	319.7	428.7
-25°	0.0	2.7	6.2	11.6	20.2	39.1	80.1	140.6	213.5	306.3	413.3
-27.5°	0.0	2.7	6.2	11.5	19.8	37.4	74.3	133.0	201.7	291.8	396.4
-30°	0.0	2.6	6.1	11.3	19.3	35.4	68.0	124.1	190.7	277.1	377.1
-32.5°	0.0	2.6	6.1	11.0	18.7	33.1	60.9	115.5	179.7	260.4	355.4
-35°	0.0	2.6	6.0	10.8	17.9	30.3	56.4	106.5	167.3	241.7	331.3
-37.5°	0.0	2.5	5.9	10.5	17.1	28.0	52.9	96.7	153.4	221.1	307.1
-40°	0.0	2.4	5.7	10.1	16.1	26.8	48.9	86.2	138.2	202.5	282.1
-42.5°	0.0	2.4	5.6	9.8	15.3	25.4	44.4	75.0	124.1	183.8	254.9
-45°	0.0	2.3	5.4	9.4	14.7	23.9	39.5	65.6	110.4	163.5	226.6
-47.5°	0.0	2.2	5.3	8.9	14.1	22.2	34.1	59.2	95.9	141.7	202.0
-50°	0.0	2.1	5.1	8.6	13.5	20.3	31.2	52.2	80.7	124.5	175.6
-52.5°	0.0	2.0	4.9	8.2	12.8	18.2	28.6	44.6	69.7	106.5	148.4
-55°	0.0	1.9	4.6	7.9	12.0	17.0	25.7	37.0	60.1	87.7	127.4
-57.5°	0.0	1.8	4.4	7.5	11.2	16.0	22.6	33.2	49.9	74.0	105.7
-60°	0.0	1.7	4.2	7.1	10.4	14.9	19.6	29.2	40.3	61.3	85.6
-62.5°	0.0	1.6	3.9	6.6	9.8	13.8	18.2	24.9	35.0	47.9	70.0
-65°	0.0	1.4	3.6	6.2	9.1	12.6	16.7	21.2	29.5	39.7	53.6
-67.5°	0.0	1.3	3.3	5.7	8.4	11.5	15.2	19.3	23.7	32.7	42.8
-70°	0.0	1.2	2.9	5.2	7.7	10.5	13.6	17.4	21.3	25.4	34.2
-72.5°	0.0	1.0	2.6	4.6	6.9	9.5	12.3	15.4	18.9	22.6	26.4
-75°	0.0	0.9	2.2	4.0	6.1	8.4	10.9	13.6	16.5	19.8	23.1
-77.5°	0.0	0.8	1.9	3.3	5.2	7.3	9.5	11.8	14.3	16.9	19.8
-80°	0.0	0.6	1.5	2.7	4.2	6.0	8.0	10.0	12.0	14.2	16.6
-82.5°	0.0	0.5	1.1	2.0	3.2	4.5	6.1	7.9	9.7	11.5	13.4
-85°	0.0	0.3	0.8	1.4	2.1	3.0	4.1	5.3	6.5	8.0	9.6
-87.5°	0.0	0.2	0.4	0.7	1.1	1.5	2.0	2.6	3.3	4.0	4.8
-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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 CATALOG NUMBER: GFLM40FSUNVDBZK-25W-3000K

**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°	5.7	6.6	7.4	8.3	9.2	10.1	11.1	12.1	13.1	14.2	15.1
85°	11.3	13.2	14.6	16.3	18.2	20.4	22.8	25.3	28.2	31.1	34.1
82.5°	15.4	17.4	20.2	23.3	26.8	30.7	35.1	40.5	46.6	53.1	60.1
80°	19.1	21.6	25.8	31.1	37.4	44.6	52.6	61.4	70.9	82.2	95.3
77.5°	22.9	26.0	31.8	39.5	48.8	62.1	76.3	91.4	107.5	124.3	141.9
75°	26.7	30.3	40.8	54.7	70.1	86.8	105.6	130.1	155.7	182.2	209.5
72.5°	33.4	42.2	54.8	71.7	96.1	122.9	151.3	180.9	213.1	247.0	281.5
70°	43.8	54.2	74.0	101.4	130.9	163.2	199.3	236.5	274.8	314.6	355.2
67.5°	55.5	75.9	99.1	131.4	169.0	208.2	249.1	295.7	341.5	386.1	429.5
65°	75.1	98.2	126.3	166.0	207.8	258.9	310.0	360.0	410.4	458.4	503.8
62.5°	94.0	125.2	157.7	203.6	260.1	315.6	372.8	428.4	481.1	524.7	562.0
60°	118.2	153.3	196.3	252.3	313.5	377.6	438.6	493.4	541.0	582.2	614.5
57.5°	143.1	187.8	241.8	303.0	373.1	440.0	501.1	555.0	599.2	636.0	664.9
55°	171.1	227.0	288.7	358.8	432.7	502.2	563.1	613.8	656.6	687.0	711.0
52.5°	204.5	265.9	338.8	415.3	494.2	563.7	622.9	671.0	707.5	735.4	752.6
50°	235.9	309.2	387.3	472.0	554.7	624.0	679.7	723.9	755.2	777.5	791.2
47.5°	271.0	350.1	436.9	525.4	611.6	680.4	733.6	770.8	799.2	815.6	826.6
45°	305.8	391.7	483.7	574.4	661.2	733.9	780.0	815.6	836.6	851.2	856.3
42.5°	338.3	432.0	526.8	620.8	704.2	777.4	824.6	852.8	872.3	881.3	884.8
40°	372.0	469.5	567.3	659.2	742.9	810.7	862.2	889.1	902.6	909.6	911.9
37.5°	403.7	504.2	604.1	695.8	773.2	838.9	892.7	918.9	930.8	936.7	935.2
35°	432.7	536.4	636.0	726.4	802.7	863.4	910.6	946.5	957.5	959.7	958.1
32.5°	459.6	566.0	665.8	752.3	825.4	885.0	928.0	960.0	980.9	982.6	979.9
30°	484.2	591.4	692.0	776.9	846.9	900.9	941.7	972.7	993.7	1003.5	999.7
27.5°	506.3	614.4	712.7	796.7	866.3	916.6	954.4	981.9	1001.9	1016.3	1018.4
25°	525.9	635.3	731.9	814.1	879.6	928.7	965.8	991.4	1009.5	1021.9	1028.7
22.5°	542.6	653.9	749.3	830.5	892.4	939.4	973.9	998.5	1016.3	1027.9	1032.6
20°	556.8	667.1	763.1	844.6	904.4	949.7	981.8	1005.2	1021.8	1031.5	1036.7
17.5°	568.7	678.4	774.2	853.4	912.7	957.6	989.1	1011.7	1027.6	1035.3	1041.2
15°	578.2	687.7	783.5	861.1	919.6	963.2	994.0	1016.5	1032.0	1039.2	1045.8
12.5°	585.2	694.9	791.1	867.5	925.6	968.1	998.5	1021.0	1035.1	1043.2	1048.4
10°	589.7	699.9	796.7	872.4	930.3	972.2	1002.4	1025.1	1038.1	1047.2	1051.0
7.5°	591.7	702.4	800.2	875.7	933.8	975.4	1005.6	1028.9	1040.9	1051.1	1053.6
5°	591.0	702.5	801.3	877.2	935.8	977.5	1008.0	1032.0	1043.4	1054.7	1056.3
2.5°	587.6	699.8	800.0	876.6	936.0	978.3	1009.3	1034.3	1045.5	1058.0	1059.0
0°	581.5	694.5	796.0	873.8	934.5	977.6	1009.5	1035.6	1047.2	1060.7	1061.7
-2.5°	587.6	699.8	800.0	876.6	936.0	978.3	1009.3	1034.3	1045.5	1058.0	1059.0
-5°	591.0	702.5	801.3	877.2	935.8	977.5	1008.0	1032.0	1043.4	1054.7	1056.3
-7.5°	591.7	702.4	800.2	875.7	933.8	975.4	1005.6	1028.9	1040.9	1051.1	1053.6
-10°	589.7	699.9	796.7	872.4	930.3	972.2	1002.4	1025.1	1038.1	1047.2	1051.0
-12.5°	585.2	694.9	791.1	867.5	925.6	968.1	998.5	1021.0	1035.1	1043.2	1048.4
-15°	578.2	687.7	783.5	861.1	919.6	963.2	994.0	1016.5	1032.0	1039.2	1045.8
-17.5°	568.7	678.4	774.2	853.4	912.7	957.6	989.1	1011.7	1027.6	1035.3	1041.2
-20°	556.8	667.1	763.1	844.6	904.4	949.7	981.8	1005.2	1021.8	1031.5	1036.7

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CATALOG NUMBER: GFLM40FSUNVDBZK-25W-3000K

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	542.6	653.9	749.3	830.5	892.4	939.4	973.9	998.5	1016.3	1027.9	1032.6
-25°	525.9	635.3	731.9	814.1	879.6	928.7	965.8	991.4	1009.5	1021.9	1028.7
-27.5°	506.3	614.4	712.7	796.7	866.3	916.6	954.4	981.9	1001.9	1016.3	1018.4
-30°	484.2	591.4	692.0	776.9	846.9	900.9	941.7	972.7	993.7	1003.5	999.7
-32.5°	459.6	566.0	665.8	752.3	825.4	885.0	928.0	960.0	980.9	982.6	979.9
-35°	432.7	536.4	636.0	726.4	802.7	863.4	910.6	946.5	957.5	959.7	958.1
-37.5°	403.7	504.2	604.1	695.8	773.2	838.9	892.7	918.9	930.8	936.7	935.2
-40°	372.0	469.5	567.3	659.2	742.9	810.7	862.2	889.1	902.6	909.6	911.9
-42.5°	338.3	432.0	526.8	620.8	704.2	777.4	824.6	852.8	872.3	881.3	884.8
-45°	305.8	391.7	483.7	574.4	661.2	733.9	780.0	815.6	836.6	851.2	856.3
-47.5°	271.0	350.1	436.9	525.4	611.6	680.4	733.6	770.8	799.2	815.6	826.6
-50°	235.9	309.2	387.3	472.0	554.7	624.0	679.7	723.9	755.2	777.5	791.2
-52.5°	204.5	265.9	338.8	415.3	494.2	563.7	622.9	671.0	707.5	735.4	752.6
-55°	171.1	227.0	288.7	358.8	432.7	502.2	563.1	613.8	656.6	687.0	711.0
-57.5°	143.1	187.8	241.8	303.0	373.1	440.0	501.1	555.0	599.2	636.0	664.9
-60°	118.2	153.3	196.3	252.3	313.5	377.6	438.6	493.4	541.0	582.2	614.5
-62.5°	94.0	125.2	157.7	203.6	260.1	315.6	372.8	428.4	481.1	524.7	562.0
-65°	75.1	98.2	126.3	166.0	207.8	258.9	310.0	360.0	410.4	458.4	503.8
-67.5°	55.5	75.9	99.1	131.4	169.0	208.2	249.1	295.7	341.5	386.1	429.5
-70°	43.8	54.2	74.0	101.4	130.9	163.2	199.3	236.5	274.8	314.6	355.2
-72.5°	33.4	42.2	54.8	71.7	96.1	122.9	151.3	180.9	213.1	247.0	281.5
-75°	26.7	30.3	40.8	54.7	70.1	86.8	105.6	130.1	155.7	182.2	209.5
-77.5°	22.9	26.0	31.8	39.5	48.8	62.1	76.3	91.4	107.5	124.3	141.9
-80°	19.1	21.6	25.8	31.1	37.4	44.6	52.6	61.4	70.9	82.2	95.3
-82.5°	15.4	17.4	20.2	23.3	26.8	30.7	35.1	40.5	46.6	53.1	60.1
-85°	11.3	13.2	14.6	16.3	18.2	20.4	22.8	25.3	28.2	31.1	34.1
-87.5°	5.7	6.6	7.4	8.3	9.2	10.1	11.1	12.1	13.1	14.2	15.1
-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: P670566 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLM40FSUNVDBZK-25W-3000K

**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°	16.2	17.3	18.3	17.9	17.5	17.0	16.4	15.8	15.2	14.5	13.7
85°	37.3	40.7	44.0	43.1	41.7	40.2	38.3	36.4	34.2	31.8	29.4
82.5°	67.5	75.2	83.1	82.0	79.4	76.2	72.4	68.1	63.3	58.0	52.4
80°	108.7	122.5	136.7	136.3	132.2	126.9	120.6	113.2	105.1	96.0	86.4
77.5°	162.6	185.0	207.8	210.7	205.6	198.4	189.3	178.4	166.0	152.3	137.2
75°	237.4	266.2	295.9	302.0	293.7	282.7	269.4	254.0	236.5	217.4	196.6
72.5°	316.4	351.7	386.9	396.7	383.6	367.8	349.7	329.2	306.6	282.1	256.1
70°	394.6	432.8	469.9	485.9	468.9	449.4	427.6	403.5	377.2	349.1	319.2
67.5°	471.2	510.5	547.5	570.6	547.0	519.7	491.7	462.8	433.1	402.6	371.2
65°	543.2	573.6	599.6	619.2	593.7	565.8	537.4	508.4	478.7	448.3	417.1
62.5°	593.9	619.1	638.5	653.3	633.1	606.0	578.1	549.8	521.1	491.7	461.6
60°	640.7	661.2	674.4	682.9	668.9	642.9	616.2	589.1	561.7	533.8	505.3
57.5°	684.9	699.5	708.3	711.6	702.4	677.6	652.1	626.3	600.3	574.1	547.4
55°	726.5	735.6	740.3	739.3	732.4	708.5	684.7	660.8	636.8	612.6	587.9
52.5°	764.8	768.9	769.0	765.1	757.5	737.4	715.5	693.7	671.8	649.7	627.1
50°	798.0	799.7	796.1	789.8	780.8	765.1	745.1	725.1	704.9	684.6	664.0
47.5°	828.7	827.4	822.3	814.6	804.5	790.4	771.7	753.6	736.2	718.5	700.3
45°	857.3	853.8	847.6	837.7	826.2	814.0	798.6	783.2	766.8	750.5	734.0
42.5°	884.1	878.5	870.4	860.8	850.1	837.5	822.7	807.9	793.9	779.9	765.4
40°	907.9	901.8	893.7	884.1	871.4	858.1	845.0	832.8	820.6	808.1	795.2
37.5°	931.1	924.8	915.4	904.1	892.2	880.2	867.7	856.3	845.6	834.2	822.6
35°	953.6	945.3	935.2	924.2	913.1	901.5	889.4	877.4	867.7	857.9	847.8
32.5°	973.4	964.6	954.2	943.8	933.1	921.1	909.1	896.9	888.0	879.5	870.6
30°	992.4	982.6	972.7	962.5	950.8	939.4	928.0	916.2	906.2	898.8	891.3
27.5°	1009.5	1000.1	990.3	978.8	967.8	957.1	945.4	934.2	923.2	917.1	910.3
25°	1026.2	1017.2	1005.7	994.8	984.2	972.6	961.4	950.8	940.0	931.6	925.8
22.5°	1036.1	1032.0	1020.9	1010.5	998.5	986.8	975.9	965.4	954.5	944.1	939.3
20°	1040.1	1039.0	1035.9	1023.9	1011.6	999.9	989.4	977.5	966.8	958.7	952.7
17.5°	1042.6	1042.1	1040.7	1036.7	1023.5	1012.6	999.8	987.9	979.9	970.4	961.1
15°	1045.3	1045.5	1042.5	1038.0	1033.3	1023.1	1008.2	999.6	988.8	979.5	973.2
12.5°	1048.3	1048.1	1044.5	1040.0	1035.4	1025.9	1019.0	1007.6	996.4	988.9	980.9
10°	1051.6	1050.4	1046.8	1042.3	1035.4	1026.2	1021.1	1012.5	1004.1	994.8	987.0
7.5°	1054.7	1052.8	1049.8	1044.4	1035.7	1027.8	1020.3	1012.3	1006.2	999.8	991.5
5°	1058.0	1055.4	1053.2	1046.5	1036.9	1029.3	1020.2	1012.4	1004.7	998.1	992.5
2.5°	1061.1	1058.3	1057.0	1048.8	1039.2	1031.1	1021.1	1012.9	1003.7	996.6	990.4
0°	1064.1	1061.4	1060.9	1051.7	1042.4	1033.3	1023.1	1014.2	1003.7	996.0	989.6
-2.5°	1061.1	1058.3	1057.0	1048.8	1039.2	1031.1	1021.1	1012.9	1003.7	996.6	990.4
-5°	1058.0	1055.4	1053.2	1046.5	1036.9	1029.3	1020.2	1012.4	1004.7	998.1	992.5
-7.5°	1054.7	1052.8	1049.8	1044.4	1035.7	1027.8	1020.3	1012.3	1006.2	999.8	991.5
-10°	1051.6	1050.4	1046.8	1042.3	1035.4	1026.2	1021.1	1012.5	1004.1	994.8	987.0
-12.5°	1048.3	1048.1	1044.5	1040.0	1035.4	1025.9	1019.0	1007.6	996.4	988.9	980.9
-15°	1045.3	1045.5	1042.5	1038.0	1033.3	1023.1	1008.2	999.6	988.8	979.5	973.2
-17.5°	1042.6	1042.1	1040.7	1036.7	1023.5	1012.6	999.8	987.9	979.9	970.4	961.1
-20°	1040.1	1039.0	1035.9	1023.9	1011.6	999.9	989.4	977.5	966.8	958.7	952.7

Classified

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

Scaled Data Report



REPORT NUMBER: P670566 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLM40FSUNVDBZK-25W-3000K

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1036.1	1032.0	1020.9	1010.5	998.5	986.8	975.9	965.4	954.5	944.1	939.3
-25°	1026.2	1017.2	1005.7	994.8	984.2	972.6	961.4	950.8	940.0	931.6	925.8
-27.5°	1009.5	1000.1	990.3	978.8	967.8	957.1	945.4	934.2	923.2	917.1	910.3
-30°	992.4	982.6	972.7	962.5	950.8	939.4	928.0	916.2	906.2	898.8	891.3
-32.5°	973.4	964.6	954.2	943.8	933.1	921.1	909.1	896.9	888.0	879.5	870.6
-35°	953.6	945.3	935.2	924.2	913.1	901.5	889.4	877.4	867.7	857.9	847.8
-37.5°	931.1	924.8	915.4	904.1	892.2	880.2	867.7	856.3	845.6	834.2	822.6
-40°	907.9	901.8	893.7	884.1	871.4	858.1	845.0	832.8	820.6	808.1	795.2
-42.5°	884.1	878.5	870.4	860.8	850.1	837.5	822.7	807.9	793.9	779.9	765.4
-45°	857.3	853.8	847.6	837.7	826.2	814.0	798.6	783.2	766.8	750.5	734.0
-47.5°	828.7	827.4	822.3	814.6	804.5	790.4	771.7	753.6	736.2	718.5	700.3
-50°	798.0	799.7	796.1	789.8	780.8	765.1	745.1	725.1	704.9	684.6	664.0
-52.5°	764.8	768.9	769.0	765.1	757.5	737.4	715.5	693.7	671.8	649.7	627.1
-55°	726.5	735.6	740.3	739.3	732.4	708.5	684.7	660.8	636.8	612.6	587.9
-57.5°	684.9	699.5	708.3	711.6	702.4	677.6	652.1	626.3	600.3	574.1	547.4
-60°	640.7	661.2	674.4	682.9	668.9	642.9	616.2	589.1	561.7	533.8	505.3
-62.5°	593.9	619.1	638.5	653.3	633.1	606.0	578.1	549.8	521.1	491.7	461.6
-65°	543.2	573.6	599.6	619.2	593.7	565.8	537.4	508.4	478.7	448.3	417.1
-67.5°	471.2	510.5	547.5	570.6	547.0	519.7	491.7	462.8	433.1	402.6	371.2
-70°	394.6	432.8	469.9	485.9	468.9	449.4	427.6	403.5	377.2	349.1	319.2
-72.5°	316.4	351.7	386.9	396.7	383.6	367.8	349.7	329.2	306.6	282.1	256.1
-75°	237.4	266.2	295.9	302.0	293.7	282.7	269.4	254.0	236.5	217.4	196.6
-77.5°	162.6	185.0	207.8	210.7	205.6	198.4	189.3	178.4	166.0	152.3	137.2
-80°	108.7	122.5	136.7	136.3	132.2	126.9	120.6	113.2	105.1	96.0	86.4
-82.5°	67.5	75.2	83.1	82.0	79.4	76.2	72.4	68.1	63.3	58.0	52.4
-85°	37.3	40.7	44.0	43.1	41.7	40.2	38.3	36.4	34.2	31.8	29.4
-87.5°	16.2	17.3	18.3	17.9	17.5	17.0	16.4	15.8	15.2	14.5	13.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P670566 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLM40FSUNVDBZK-25W-3000K

**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°	12.8	12.0	11.1	10.2	11.1	12.0	12.8	13.7	14.5	15.2	15.8
85°	26.7	24.0	21.2	18.4	21.2	24.0	26.7	29.4	31.8	34.2	36.4
82.5°	46.5	40.4	34.2	27.8	34.2	40.4	46.5	52.4	58.0	63.3	68.1
80°	76.2	65.5	54.5	43.2	54.5	65.5	76.2	86.4	96.0	105.1	113.2
77.5°	121.2	104.3	86.8	68.8	86.8	104.3	121.2	137.2	152.3	166.0	178.4
75°	174.5	151.3	127.2	102.5	127.2	151.3	174.5	196.6	217.4	236.5	254.0
72.5°	228.5	199.7	169.9	139.5	169.9	199.7	228.5	256.1	282.1	306.6	329.2
70°	287.8	255.0	221.0	186.1	221.0	255.0	287.8	319.2	349.1	377.2	403.5
67.5°	338.8	305.7	271.5	236.6	271.5	305.7	338.8	371.2	402.6	433.1	462.8
65°	385.2	352.4	318.7	284.1	318.7	352.4	385.2	417.1	448.3	478.7	508.4
62.5°	430.9	399.2	366.6	333.1	366.6	399.2	430.9	461.6	491.7	521.1	549.8
60°	476.0	445.8	414.6	382.3	414.6	445.8	476.0	505.3	533.8	561.7	589.1
57.5°	520.0	491.7	462.5	432.1	462.5	491.7	520.0	547.4	574.1	600.3	626.3
55°	562.7	536.5	509.4	480.9	509.4	536.5	562.7	587.9	612.6	636.8	660.8
52.5°	603.9	579.8	554.5	527.9	554.5	579.8	603.9	627.1	649.7	671.8	693.7
50°	642.9	621.0	597.9	573.5	597.9	621.0	642.9	664.0	684.6	704.9	725.1
47.5°	681.4	661.5	640.4	617.8	640.4	661.5	681.4	700.3	718.5	736.2	753.6
45°	717.0	699.3	680.4	659.9	680.4	699.3	717.0	734.0	750.5	766.8	783.2
42.5°	750.3	734.2	716.9	698.0	716.9	734.2	750.3	765.4	779.9	793.9	807.9
40°	781.6	767.2	751.4	734.0	751.4	767.2	781.6	795.2	808.1	820.6	832.8
37.5°	810.5	797.5	783.4	767.6	783.4	797.5	810.5	822.6	834.2	845.6	856.3
35°	837.3	826.0	813.6	799.4	813.6	826.0	837.3	847.8	857.9	867.7	877.4
32.5°	861.1	850.8	839.3	826.3	839.3	850.8	861.1	870.6	879.5	888.0	896.9
30°	883.5	874.9	865.2	853.9	865.2	874.9	883.5	891.3	898.8	906.2	916.2
27.5°	903.5	896.4	888.3	878.6	888.3	896.4	903.5	910.3	917.1	923.2	934.2
25°	919.6	912.8	905.0	896.0	905.0	912.8	919.6	925.8	931.6	940.0	950.8
22.5°	934.9	930.0	924.0	916.5	924.0	930.0	934.9	939.3	944.1	954.5	965.4
20°	948.4	944.7	940.9	935.8	940.9	944.7	948.4	952.7	958.7	966.8	977.5
17.5°	958.9	956.1	952.0	946.4	952.0	956.1	958.9	961.1	970.4	979.9	987.9
15°	967.9	964.3	960.7	956.2	960.7	964.3	967.9	973.2	979.5	988.8	999.6
12.5°	974.3	972.0	970.2	967.3	970.2	972.0	974.3	980.9	988.9	996.4	1007.6
10°	981.6	975.8	972.4	969.1	972.4	975.8	981.6	987.0	994.8	1004.1	1012.5
7.5°	983.9	978.7	977.5	977.4	977.5	978.7	983.9	991.5	999.8	1006.2	1012.3
5°	986.7	981.8	980.0	977.8	980.0	981.8	986.7	992.5	998.1	1004.7	1012.4
2.5°	984.8	980.8	978.6	979.9	978.6	980.8	984.8	990.4	996.6	1003.7	1012.9
0°	981.6	978.6	974.7	976.0	974.7	978.6	981.6	989.6	996.0	1003.7	1014.2
-2.5°	984.8	980.8	978.6	979.9	978.6	980.8	984.8	990.4	996.6	1003.7	1012.9
-5°	986.7	981.8	980.0	977.8	980.0	981.8	986.7	992.5	998.1	1004.7	1012.4
-7.5°	983.9	978.7	977.5	977.4	977.5	978.7	983.9	991.5	999.8	1006.2	1012.3
-10°	981.6	975.8	972.4	969.1	972.4	975.8	981.6	987.0	994.8	1004.1	1012.5
-12.5°	974.3	972.0	970.2	967.3	970.2	972.0	974.3	980.9	988.9	996.4	1007.6
-15°	967.9	964.3	960.7	956.2	960.7	964.3	967.9	973.2	979.5	988.8	999.6
-17.5°	958.9	956.1	952.0	946.4	952.0	956.1	958.9	961.1	970.4	979.9	987.9
-20°	948.4	944.7	940.9	935.8	940.9	944.7	948.4	952.7	958.7	966.8	977.5

Classified

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Scaled Data Report



REPORT NUMBER: P670566 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLM40FSUNVDBZK-25W-3000K

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	934.9	930.0	924.0	916.5	924.0	930.0	934.9	939.3	944.1	954.5	965.4
-25°	919.6	912.8	905.0	896.0	905.0	912.8	919.6	925.8	931.6	940.0	950.8
-27.5°	903.5	896.4	888.3	878.6	888.3	896.4	903.5	910.3	917.1	923.2	934.2
-30°	883.5	874.9	865.2	853.9	865.2	874.9	883.5	891.3	898.8	906.2	916.2
-32.5°	861.1	850.8	839.3	826.3	839.3	850.8	861.1	870.6	879.5	888.0	896.9
-35°	837.3	826.0	813.6	799.4	813.6	826.0	837.3	847.8	857.9	867.7	877.4
-37.5°	810.5	797.5	783.4	767.6	783.4	797.5	810.5	822.6	834.2	845.6	856.3
-40°	781.6	767.2	751.4	734.0	751.4	767.2	781.6	795.2	808.1	820.6	832.8
-42.5°	750.3	734.2	716.9	698.0	716.9	734.2	750.3	765.4	779.9	793.9	807.9
-45°	717.0	699.3	680.4	659.9	680.4	699.3	717.0	734.0	750.5	766.8	783.2
-47.5°	681.4	661.5	640.4	617.8	640.4	661.5	681.4	700.3	718.5	736.2	753.6
-50°	642.9	621.0	597.9	573.5	597.9	621.0	642.9	664.0	684.6	704.9	725.1
-52.5°	603.9	579.8	554.5	527.9	554.5	579.8	603.9	627.1	649.7	671.8	693.7
-55°	562.7	536.5	509.4	480.9	509.4	536.5	562.7	587.9	612.6	636.8	660.8
-57.5°	520.0	491.7	462.5	432.1	462.5	491.7	520.0	547.4	574.1	600.3	626.3
-60°	476.0	445.8	414.6	382.3	414.6	445.8	476.0	505.3	533.8	561.7	589.1
-62.5°	430.9	399.2	366.6	333.1	366.6	399.2	430.9	461.6	491.7	521.1	549.8
-65°	385.2	352.4	318.7	284.1	318.7	352.4	385.2	417.1	448.3	478.7	508.4
-67.5°	338.8	305.7	271.5	236.6	271.5	305.7	338.8	371.2	402.6	433.1	462.8
-70°	287.8	255.0	221.0	186.1	221.0	255.0	287.8	319.2	349.1	377.2	403.5
-72.5°	228.5	199.7	169.9	139.5	169.9	199.7	228.5	256.1	282.1	306.6	329.2
-75°	174.5	151.3	127.2	102.5	127.2	151.3	174.5	196.6	217.4	236.5	254.0
-77.5°	121.2	104.3	86.8	68.8	86.8	104.3	121.2	137.2	152.3	166.0	178.4
-80°	76.2	65.5	54.5	43.2	54.5	65.5	76.2	86.4	96.0	105.1	113.2
-82.5°	46.5	40.4	34.2	27.8	34.2	40.4	46.5	52.4	58.0	63.3	68.1
-85°	26.7	24.0	21.2	18.4	21.2	24.0	26.7	29.4	31.8	34.2	36.4
-87.5°	12.8	12.0	11.1	10.2	11.1	12.0	12.8	13.7	14.5	15.2	15.8
-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: P670566 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLM40FSUNVDBZK-25W-3000K

**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°	16.4	17.0	17.5	17.9	18.3	17.3	16.2	15.1	14.2	13.1	12.1
85°	38.3	40.2	41.7	43.1	44.0	40.7	37.3	34.1	31.1	28.2	25.3
82.5°	72.4	76.2	79.4	82.0	83.1	75.2	67.5	60.1	53.1	46.6	40.5
80°	120.6	126.9	132.2	136.3	136.7	122.5	108.7	95.3	82.2	70.9	61.4
77.5°	189.3	198.4	205.6	210.7	207.8	185.0	162.6	141.9	124.3	107.5	91.4
75°	269.4	282.7	293.7	302.0	295.9	266.2	237.4	209.5	182.2	155.7	130.1
72.5°	349.7	367.8	383.6	396.7	386.9	351.7	316.4	281.5	247.0	213.1	180.9
70°	427.6	449.4	468.9	485.9	469.9	432.8	394.6	355.2	314.6	274.8	236.5
67.5°	491.7	519.7	547.0	570.6	547.5	510.5	471.2	429.5	386.1	341.5	295.7
65°	537.4	565.8	593.7	619.2	599.6	573.6	543.2	503.8	458.4	410.4	360.0
62.5°	578.1	606.0	633.1	653.3	638.5	619.1	593.9	562.0	524.7	481.1	428.4
60°	616.2	642.9	668.9	682.9	674.4	661.2	640.7	614.5	582.2	541.0	493.4
57.5°	652.1	677.6	702.4	711.6	708.3	699.5	684.9	664.9	636.0	599.2	555.0
55°	684.7	708.5	732.4	739.3	740.3	735.6	726.5	711.0	687.0	656.6	613.8
52.5°	715.5	737.4	757.5	765.1	769.0	768.9	764.8	752.6	735.4	707.5	671.0
50°	745.1	765.1	780.8	789.8	796.1	799.7	798.0	791.2	777.5	755.2	723.9
47.5°	771.7	790.4	804.5	814.6	822.3	827.4	828.7	826.6	815.6	799.2	770.8
45°	798.6	814.0	826.2	837.7	847.6	853.8	857.3	856.3	851.2	836.6	815.6
42.5°	822.7	837.5	850.1	860.8	870.4	878.5	884.1	884.8	881.3	872.3	852.8
40°	845.0	858.1	871.4	884.1	893.7	901.8	907.9	911.9	909.6	902.6	889.1
37.5°	867.7	880.2	892.2	904.1	915.4	924.8	931.1	935.2	936.7	930.8	918.9
35°	889.4	901.5	913.1	924.2	935.2	945.3	953.6	958.1	959.7	957.5	946.5
32.5°	909.1	921.1	933.1	943.8	954.2	964.6	973.4	979.9	982.6	980.9	960.0
30°	928.0	939.4	950.8	962.5	972.7	982.6	992.4	999.7	1003.5	993.7	972.7
27.5°	945.4	957.1	967.8	978.8	990.3	1000.1	1009.5	1018.4	1016.3	1001.9	981.9
25°	961.4	972.6	984.2	994.8	1005.7	1017.2	1026.2	1028.7	1021.9	1009.5	991.4
22.5°	975.9	986.8	998.5	1010.5	1020.9	1032.0	1036.1	1032.6	1027.9	1016.3	998.5
20°	989.4	999.9	1011.6	1023.9	1035.9	1039.0	1040.1	1036.7	1031.5	1021.8	1005.2
17.5°	999.8	1012.6	1023.5	1036.7	1040.7	1042.1	1042.6	1041.2	1035.3	1027.6	1011.7
15°	1008.2	1023.1	1033.3	1038.0	1042.5	1045.5	1045.3	1045.8	1039.2	1032.0	1016.5
12.5°	1019.0	1025.9	1035.4	1040.0	1044.5	1048.1	1048.3	1048.4	1043.2	1035.1	1021.0
10°	1021.1	1026.2	1035.4	1042.3	1046.8	1050.4	1051.6	1051.0	1047.2	1038.1	1025.1
7.5°	1020.3	1027.8	1035.7	1044.4	1049.8	1052.8	1054.7	1053.6	1051.1	1040.9	1028.9
5°	1020.2	1029.3	1036.9	1046.5	1053.2	1055.4	1058.0	1056.3	1054.7	1043.4	1032.0
2.5°	1021.1	1031.1	1039.2	1048.8	1057.0	1058.3	1061.1	1059.0	1058.0	1045.5	1034.3
0°	1023.1	1033.3	1042.4	1051.7	1060.9	1061.4	1064.1	1061.7	1060.7	1047.2	1035.6
-2.5°	1021.1	1031.1	1039.2	1048.8	1057.0	1058.3	1061.1	1059.0	1058.0	1045.5	1034.3
-5°	1020.2	1029.3	1036.9	1046.5	1053.2	1055.4	1058.0	1056.3	1054.7	1043.4	1032.0
-7.5°	1020.3	1027.8	1035.7	1044.4	1049.8	1052.8	1054.7	1053.6	1051.1	1040.9	1028.9
-10°	1021.1	1026.2	1035.4	1042.3	1046.8	1050.4	1051.6	1051.0	1047.2	1038.1	1025.1
-12.5°	1019.0	1025.9	1035.4	1040.0	1044.5	1048.1	1048.3	1048.4	1043.2	1035.1	1021.0
-15°	1008.2	1023.1	1033.3	1038.0	1042.5	1045.5	1045.3	1045.8	1039.2	1032.0	1016.5
-17.5°	999.8	1012.6	1023.5	1036.7	1040.7	1042.1	1042.6	1041.2	1035.3	1027.6	1011.7
-20°	989.4	999.9	1011.6	1023.9	1035.9	1039.0	1040.1	1036.7	1031.5	1021.8	1005.2

Classified

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

Scaled Data Report



REPORT NUMBER: P670566 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLM40FSUNVDBZK-25W-3000K

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	975.9	986.8	998.5	1010.5	1020.9	1032.0	1036.1	1032.6	1027.9	1016.3	998.5
-25°	961.4	972.6	984.2	994.8	1005.7	1017.2	1026.2	1028.7	1021.9	1009.5	991.4
-27.5°	945.4	957.1	967.8	978.8	990.3	1000.1	1009.5	1018.4	1016.3	1001.9	981.9
-30°	928.0	939.4	950.8	962.5	972.7	982.6	992.4	999.7	1003.5	993.7	972.7
-32.5°	909.1	921.1	933.1	943.8	954.2	964.6	973.4	979.9	982.6	980.9	960.0
-35°	889.4	901.5	913.1	924.2	935.2	945.3	953.6	958.1	959.7	957.5	946.5
-37.5°	867.7	880.2	892.2	904.1	915.4	924.8	931.1	935.2	936.7	930.8	918.9
-40°	845.0	858.1	871.4	884.1	893.7	901.8	907.9	911.9	909.6	902.6	889.1
-42.5°	822.7	837.5	850.1	860.8	870.4	878.5	884.1	884.8	881.3	872.3	852.8
-45°	798.6	814.0	826.2	837.7	847.6	853.8	857.3	856.3	851.2	836.6	815.6
-47.5°	771.7	790.4	804.5	814.6	822.3	827.4	828.7	826.6	815.6	799.2	770.8
-50°	745.1	765.1	780.8	789.8	796.1	799.7	798.0	791.2	777.5	755.2	723.9
-52.5°	715.5	737.4	757.5	765.1	769.0	768.9	764.8	752.6	735.4	707.5	671.0
-55°	684.7	708.5	732.4	739.3	740.3	735.6	726.5	711.0	687.0	656.6	613.8
-57.5°	652.1	677.6	702.4	711.6	708.3	699.5	684.9	664.9	636.0	599.2	555.0
-60°	616.2	642.9	668.9	682.9	674.4	661.2	640.7	614.5	582.2	541.0	493.4
-62.5°	578.1	606.0	633.1	653.3	638.5	619.1	593.9	562.0	524.7	481.1	428.4
-65°	537.4	565.8	593.7	619.2	599.6	573.6	543.2	503.8	458.4	410.4	360.0
-67.5°	491.7	519.7	547.0	570.6	547.5	510.5	471.2	429.5	386.1	341.5	295.7
-70°	427.6	449.4	468.9	485.9	469.9	432.8	394.6	355.2	314.6	274.8	236.5
-72.5°	349.7	367.8	383.6	396.7	386.9	351.7	316.4	281.5	247.0	213.1	180.9
-75°	269.4	282.7	293.7	302.0	295.9	266.2	237.4	209.5	182.2	155.7	130.1
-77.5°	189.3	198.4	205.6	210.7	207.8	185.0	162.6	141.9	124.3	107.5	91.4
-80°	120.6	126.9	132.2	136.3	136.7	122.5	108.7	95.3	82.2	70.9	61.4
-82.5°	72.4	76.2	79.4	82.0	83.1	75.2	67.5	60.1	53.1	46.6	40.5
-85°	38.3	40.2	41.7	43.1	44.0	40.7	37.3	34.1	31.1	28.2	25.3
-87.5°	16.4	17.0	17.5	17.9	18.3	17.3	16.2	15.1	14.2	13.1	12.1
-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: P670566 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLM40FSUNVDBZK-25W-3000K

**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°	11.1	10.1	9.2	8.3	7.4	6.6	5.7	4.8	4.0	3.3	2.6
85°	22.8	20.4	18.2	16.3	14.6	13.2	11.3	9.6	8.0	6.5	5.3
82.5°	35.1	30.7	26.8	23.3	20.2	17.4	15.4	13.4	11.5	9.7	7.9
80°	52.6	44.6	37.4	31.1	25.8	21.6	19.1	16.6	14.2	12.0	10.0
77.5°	76.3	62.1	48.8	39.5	31.8	26.0	22.9	19.8	16.9	14.3	11.8
75°	105.6	86.8	70.1	54.7	40.8	30.3	26.7	23.1	19.8	16.5	13.6
72.5°	151.3	122.9	96.1	71.7	54.8	42.2	33.4	26.4	22.6	18.9	15.4
70°	199.3	163.2	130.9	101.4	74.0	54.2	43.8	34.2	25.4	21.3	17.4
67.5°	249.1	208.2	169.0	131.4	99.1	75.9	55.5	42.8	32.7	23.7	19.3
65°	310.0	258.9	207.8	166.0	126.3	98.2	75.1	53.6	39.7	29.5	21.2
62.5°	372.8	315.6	260.1	203.6	157.7	125.2	94.0	70.0	47.9	35.0	24.9
60°	438.6	377.6	313.5	252.3	196.3	153.3	118.2	85.6	61.3	40.3	29.2
57.5°	501.1	440.0	373.1	303.0	241.8	187.8	143.1	105.7	74.0	49.9	33.2
55°	563.1	502.2	432.7	358.8	288.7	227.0	171.1	127.4	87.7	60.1	37.0
52.5°	622.9	563.7	494.2	415.3	338.8	265.9	204.5	148.4	106.5	69.7	44.6
50°	679.7	624.0	554.7	472.0	387.3	309.2	235.9	175.6	124.5	80.7	52.2
47.5°	733.6	680.4	611.6	525.4	436.9	350.1	271.0	202.0	141.7	95.9	59.2
45°	780.0	733.9	661.2	574.4	483.7	391.7	305.8	226.6	163.5	110.4	65.6
42.5°	824.6	777.4	704.2	620.8	526.8	432.0	338.3	254.9	183.8	124.1	75.0
40°	862.2	810.7	742.9	659.2	567.3	469.5	372.0	282.1	202.5	138.2	86.2
37.5°	892.7	838.9	773.2	695.8	604.1	504.2	403.7	307.1	221.1	153.4	96.7
35°	910.6	863.4	802.7	726.4	636.0	536.4	432.7	331.3	241.7	167.3	106.5
32.5°	928.0	885.0	825.4	752.3	665.8	566.0	459.6	355.4	260.4	179.7	115.5
30°	941.7	900.9	846.9	776.9	692.0	591.4	484.2	377.1	277.1	190.7	124.1
27.5°	954.4	916.6	866.3	796.7	712.7	614.4	506.3	396.4	291.8	201.7	133.0
25°	965.8	928.7	879.6	814.1	731.9	635.3	525.9	413.3	306.3	213.5	140.6
22.5°	973.9	939.4	892.4	830.5	749.3	653.9	542.6	428.7	319.7	223.6	147.2
20°	981.8	949.7	904.4	844.6	763.1	667.1	556.8	441.8	330.8	232.0	152.5
17.5°	989.1	957.6	912.7	853.4	774.2	678.4	568.7	452.5	339.8	238.8	156.8
15°	994.0	963.2	919.6	861.1	783.5	687.7	578.2	460.8	346.7	243.9	159.9
12.5°	998.5	968.1	925.6	867.5	791.1	694.9	585.2	466.6	351.4	247.3	162.0
10°	1002.4	972.2	930.3	872.4	796.7	699.9	589.7	470.1	354.0	249.1	163.0
7.5°	1005.6	975.4	933.8	875.7	800.2	702.4	591.7	471.0	354.6	249.4	163.0
5°	1008.0	977.5	935.8	877.2	801.3	702.5	591.0	469.6	353.1	248.2	162.0
2.5°	1009.3	978.3	936.0	876.6	800.0	699.8	587.6	465.7	349.7	245.6	160.1
0°	1009.5	977.6	934.5	873.8	796.0	694.5	581.5	459.5	344.3	241.5	157.4
-2.5°	1009.3	978.3	936.0	876.6	800.0	699.8	587.6	465.7	349.7	245.6	160.1
-5°	1008.0	977.5	935.8	877.2	801.3	702.5	591.0	469.6	353.1	248.2	162.0
-7.5°	1005.6	975.4	933.8	875.7	800.2	702.4	591.7	471.0	354.6	249.4	163.0
-10°	1002.4	972.2	930.3	872.4	796.7	699.9	589.7	470.1	354.0	249.1	163.0
-12.5°	998.5	968.1	925.6	867.5	791.1	694.9	585.2	466.6	351.4	247.3	162.0
-15°	994.0	963.2	919.6	861.1	783.5	687.7	578.2	460.8	346.7	243.9	159.9
-17.5°	989.1	957.6	912.7	853.4	774.2	678.4	568.7	452.5	339.8	238.8	156.8
-20°	981.8	949.7	904.4	844.6	763.1	667.1	556.8	441.8	330.8	232.0	152.5



REPORT NUMBER: P670566 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLM40FSUNVDBZK-25W-3000K

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	973.9	939.4	892.4	830.5	749.3	653.9	542.6	428.7	319.7	223.6	147.2
-25°	965.8	928.7	879.6	814.1	731.9	635.3	525.9	413.3	306.3	213.5	140.6
-27.5°	954.4	916.6	866.3	796.7	712.7	614.4	506.3	396.4	291.8	201.7	133.0
-30°	941.7	900.9	846.9	776.9	692.0	591.4	484.2	377.1	277.1	190.7	124.1
-32.5°	928.0	885.0	825.4	752.3	665.8	566.0	459.6	355.4	260.4	179.7	115.5
-35°	910.6	863.4	802.7	726.4	636.0	536.4	432.7	331.3	241.7	167.3	106.5
-37.5°	892.7	838.9	773.2	695.8	604.1	504.2	403.7	307.1	221.1	153.4	96.7
-40°	862.2	810.7	742.9	659.2	567.3	469.5	372.0	282.1	202.5	138.2	86.2
-42.5°	824.6	777.4	704.2	620.8	526.8	432.0	338.3	254.9	183.8	124.1	75.0
-45°	780.0	733.9	661.2	574.4	483.7	391.7	305.8	226.6	163.5	110.4	65.6
-47.5°	733.6	680.4	611.6	525.4	436.9	350.1	271.0	202.0	141.7	95.9	59.2
-50°	679.7	624.0	554.7	472.0	387.3	309.2	235.9	175.6	124.5	80.7	52.2
-52.5°	622.9	563.7	494.2	415.3	338.8	265.9	204.5	148.4	106.5	69.7	44.6
-55°	563.1	502.2	432.7	358.8	288.7	227.0	171.1	127.4	87.7	60.1	37.0
-57.5°	501.1	440.0	373.1	303.0	241.8	187.8	143.1	105.7	74.0	49.9	33.2
-60°	438.6	377.6	313.5	252.3	196.3	153.3	118.2	85.6	61.3	40.3	29.2
-62.5°	372.8	315.6	260.1	203.6	157.7	125.2	94.0	70.0	47.9	35.0	24.9
-65°	310.0	258.9	207.8	166.0	126.3	98.2	75.1	53.6	39.7	29.5	21.2
-67.5°	249.1	208.2	169.0	131.4	99.1	75.9	55.5	42.8	32.7	23.7	19.3
-70°	199.3	163.2	130.9	101.4	74.0	54.2	43.8	34.2	25.4	21.3	17.4
-72.5°	151.3	122.9	96.1	71.7	54.8	42.2	33.4	26.4	22.6	18.9	15.4
-75°	105.6	86.8	70.1	54.7	40.8	30.3	26.7	23.1	19.8	16.5	13.6
-77.5°	76.3	62.1	48.8	39.5	31.8	26.0	22.9	19.8	16.9	14.3	11.8
-80°	52.6	44.6	37.4	31.1	25.8	21.6	19.1	16.6	14.2	12.0	10.0
-82.5°	35.1	30.7	26.8	23.3	20.2	17.4	15.4	13.4	11.5	9.7	7.9
-85°	22.8	20.4	18.2	16.3	14.6	13.2	11.3	9.6	8.0	6.5	5.3
-87.5°	11.1	10.1	9.2	8.3	7.4	6.6	5.7	4.8	4.0	3.3	2.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



REPORT NUMBER: P670566 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLM40FSUNVDBZK-25W-3000K

**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°	2.0	1.5	1.1	0.7	0.4	0.2	0.0
85°	4.1	3.0	2.1	1.4	0.8	0.3	0.0
82.5°	6.1	4.5	3.2	2.0	1.1	0.5	0.0
80°	8.0	6.0	4.2	2.7	1.5	0.6	0.0
77.5°	9.5	7.3	5.2	3.3	1.9	0.8	0.0
75°	10.9	8.4	6.1	4.0	2.2	0.9	0.0
72.5°	12.3	9.5	6.9	4.6	2.6	1.0	0.0
70°	13.6	10.5	7.7	5.2	2.9	1.2	0.0
67.5°	15.2	11.5	8.4	5.7	3.3	1.3	0.0
65°	16.7	12.6	9.1	6.2	3.6	1.4	0.0
62.5°	18.2	13.8	9.8	6.6	3.9	1.6	0.0
60°	19.6	14.9	10.4	7.1	4.2	1.7	0.0
57.5°	22.6	16.0	11.2	7.5	4.4	1.8	0.0
55°	25.7	17.0	12.0	7.9	4.6	1.9	0.0
52.5°	28.6	18.2	12.8	8.2	4.9	2.0	0.0
50°	31.2	20.3	13.5	8.6	5.1	2.1	0.0
47.5°	34.1	22.2	14.1	8.9	5.3	2.2	0.0
45°	39.5	23.9	14.7	9.4	5.4	2.3	0.0
42.5°	44.4	25.4	15.3	9.8	5.6	2.4	0.0
40°	48.9	26.8	16.1	10.1	5.7	2.4	0.0
37.5°	52.9	28.0	17.1	10.5	5.9	2.5	0.0
35°	56.4	30.3	17.9	10.8	6.0	2.6	0.0
32.5°	60.9	33.1	18.7	11.0	6.1	2.6	0.0
30°	68.0	35.4	19.3	11.3	6.1	2.6	0.0
27.5°	74.3	37.4	19.8	11.5	6.2	2.7	0.0
25°	80.1	39.1	20.2	11.6	6.2	2.7	0.0
22.5°	85.1	40.4	20.5	11.7	6.3	2.7	0.0
20°	89.4	41.4	20.7	11.8	6.3	2.7	0.0
17.5°	93.0	42.1	20.7	11.9	6.3	2.7	0.0
15°	95.9	42.4	20.7	11.9	6.2	2.7	0.0
12.5°	98.1	42.5	20.5	11.8	6.2	2.7	0.0
10°	99.5	42.3	20.3	11.7	6.2	2.7	0.0
7.5°	100.3	41.8	20.0	11.6	6.1	2.7	0.0
5°	100.3	41.0	19.5	11.5	6.0	2.7	0.0
2.5°	99.6	40.0	19.1	11.3	5.9	2.6	0.0
0°	98.2	38.8	18.5	11.1	5.8	2.6	0.0
-2.5°	99.6	40.0	19.1	11.3	5.9	2.6	0.0
-5°	100.3	41.0	19.5	11.5	6.0	2.7	0.0
-7.5°	100.3	41.8	20.0	11.6	6.1	2.7	0.0
-10°	99.5	42.3	20.3	11.7	6.2	2.7	0.0
-12.5°	98.1	42.5	20.5	11.8	6.2	2.7	0.0
-15°	95.9	42.4	20.7	11.9	6.2	2.7	0.0
-17.5°	93.0	42.1	20.7	11.9	6.3	2.7	0.0
-20°	89.4	41.4	20.7	11.8	6.3	2.7	0.0

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CATALOG NUMBER: GFLM40FSUNVDBZK-25W-3000K

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	85.1	40.4	20.5	11.7	6.3	2.7	0.0
-25°	80.1	39.1	20.2	11.6	6.2	2.7	0.0
-27.5°	74.3	37.4	19.8	11.5	6.2	2.7	0.0
-30°	68.0	35.4	19.3	11.3	6.1	2.6	0.0
-32.5°	60.9	33.1	18.7	11.0	6.1	2.6	0.0
-35°	56.4	30.3	17.9	10.8	6.0	2.6	0.0
-37.5°	52.9	28.0	17.1	10.5	5.9	2.5	0.0
-40°	48.9	26.8	16.1	10.1	5.7	2.4	0.0
-42.5°	44.4	25.4	15.3	9.8	5.6	2.4	0.0
-45°	39.5	23.9	14.7	9.4	5.4	2.3	0.0
-47.5°	34.1	22.2	14.1	8.9	5.3	2.2	0.0
-50°	31.2	20.3	13.5	8.6	5.1	2.1	0.0
-52.5°	28.6	18.2	12.8	8.2	4.9	2.0	0.0
-55°	25.7	17.0	12.0	7.9	4.6	1.9	0.0
-57.5°	22.6	16.0	11.2	7.5	4.4	1.8	0.0
-60°	19.6	14.9	10.4	7.1	4.2	1.7	0.0
-62.5°	18.2	13.8	9.8	6.6	3.9	1.6	0.0
-65°	16.7	12.6	9.1	6.2	3.6	1.4	0.0
-67.5°	15.2	11.5	8.4	5.7	3.3	1.3	0.0
-70°	13.6	10.5	7.7	5.2	2.9	1.2	0.0
-72.5°	12.3	9.5	6.9	4.6	2.6	1.0	0.0
-75°	10.9	8.4	6.1	4.0	2.2	0.9	0.0
-77.5°	9.5	7.3	5.2	3.3	1.9	0.8	0.0
-80°	8.0	6.0	4.2	2.7	1.5	0.6	0.0
-82.5°	6.1	4.5	3.2	2.0	1.1	0.5	0.0
-85°	4.1	3.0	2.1	1.4	0.8	0.3	0.0
-87.5°	2.0	1.5	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)