

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: McGRAW-EDISON

Report Number: P645345 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1E-727-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645345 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/4/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA1E-727-U-LAM-VSR-XX  
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (16) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

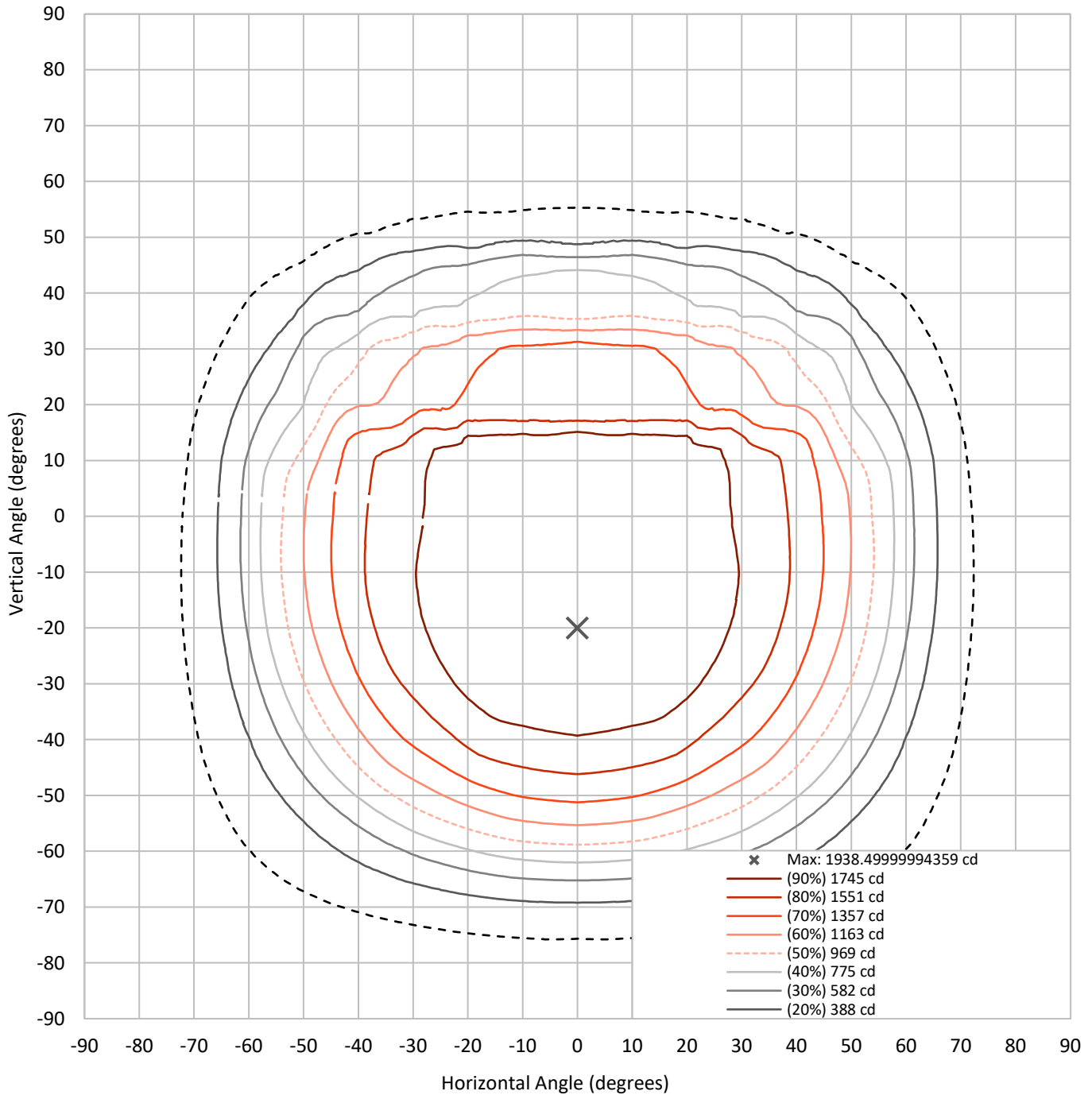
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	4545.4 lumens	Max Intensity:	1938.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	68.7 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	3556.3 lumens	Field Lumens:	4455.2 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	66.2		
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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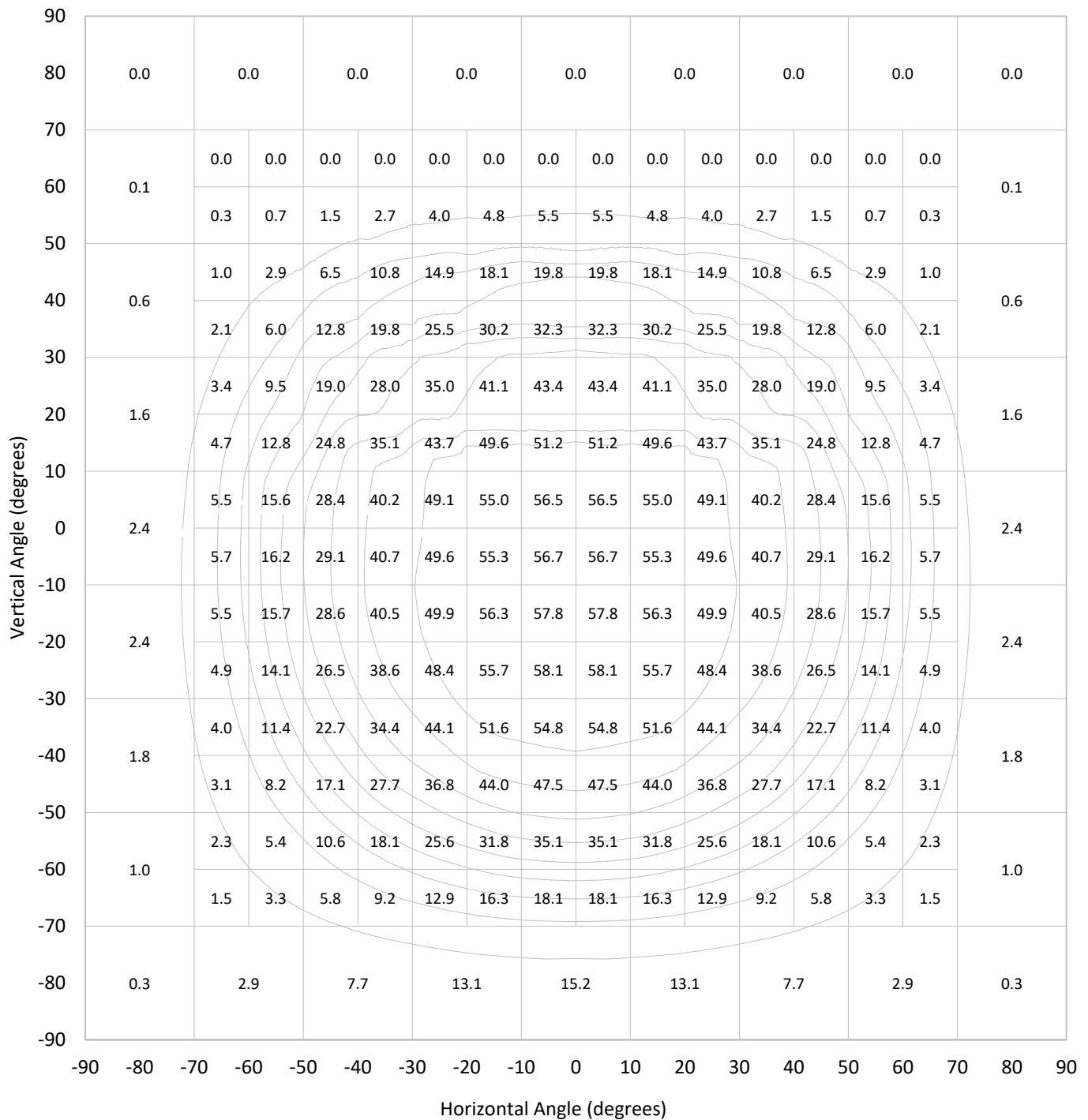
### Iso-Candela Plot





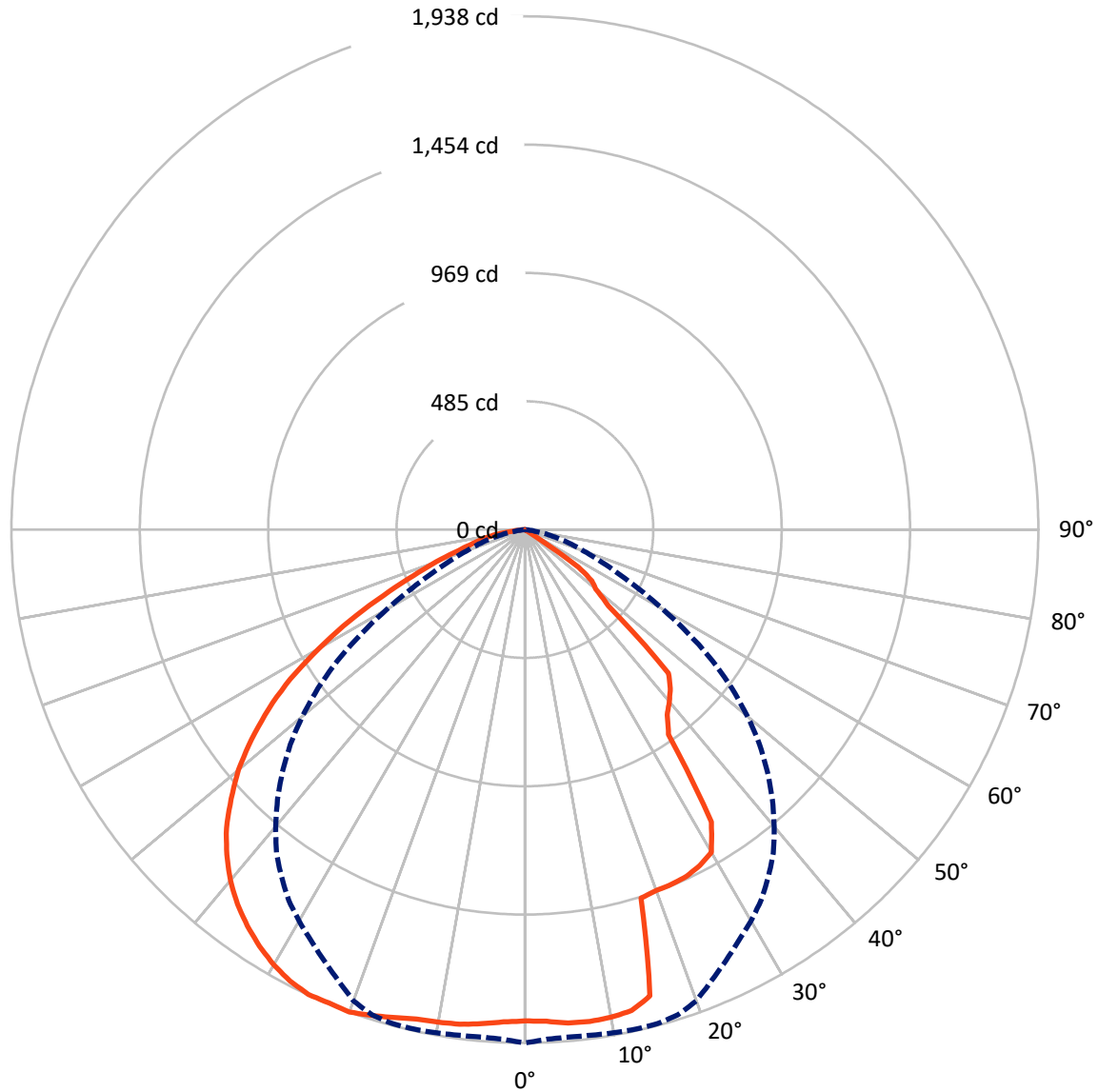
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### Lumen Table



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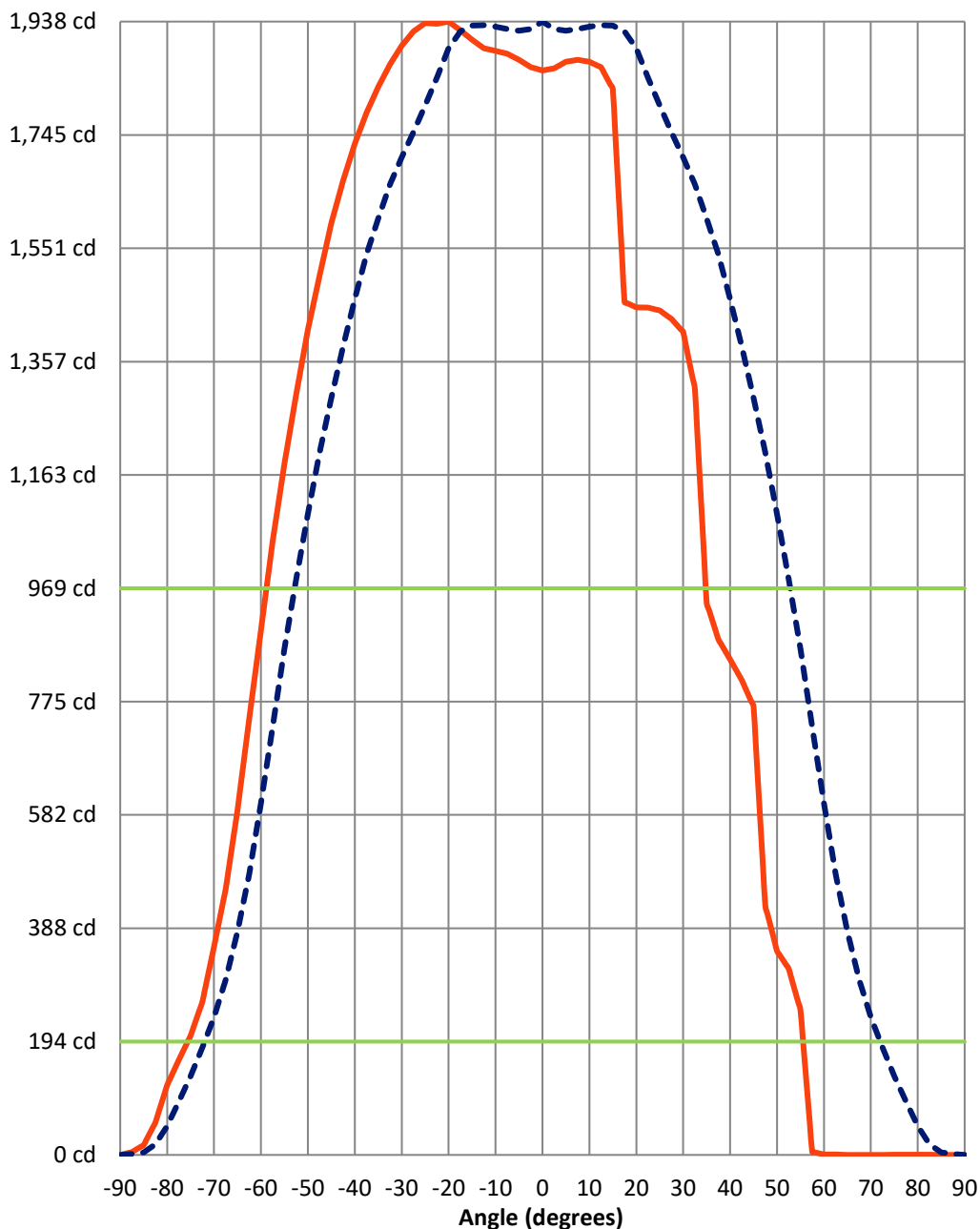
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg    - - - Horizontal Distribution Through -20-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 3556.3  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 4455.2  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 90.3  
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg  
 - - - Horizontal Distribution through -20-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	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3
82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.5	0.4
80°	0.0	0.2	0.3	0.4	0.6	0.7	0.8	0.7	0.6	0.5	0.4
77.5°	0.0	0.2	0.3	0.5	0.7	0.8	0.8	0.7	0.6	0.5	0.4
75°	0.0	0.3	0.4	0.6	0.8	0.8	0.8	0.7	0.6	0.5	0.4
72.5°	0.0	0.3	0.5	0.7	0.8	0.9	0.8	0.7	0.6	0.5	0.4
70°	0.0	0.3	0.6	0.8	0.9	0.9	0.8	0.7	0.6	0.6	0.6
67.5°	0.0	0.4	0.6	0.8	0.9	0.9	0.9	0.8	0.7	0.9	0.9
65°	0.0	0.4	0.7	0.9	1.0	1.1	1.1	0.8	1.1	1.3	1.6
62.5°	0.0	0.5	0.8	0.9	1.0	1.3	1.3	1.1	1.5	2.3	3.6
60°	0.0	0.5	0.9	1.0	1.1	1.6	1.5	1.6	2.0	5.7	6.2
57.5°	0.0	0.6	0.9	1.0	1.4	2.0	2.8	2.2	5.6	9.7	11.3
55°	0.0	0.6	0.9	1.1	1.7	2.4	4.5	3.6	10.4	15.1	18.3
52.5°	0.0	0.6	1.0	1.1	2.1	3.0	6.5	9.1	15.7	23.6	26.6
50°	0.0	0.7	1.0	1.1	2.5	5.1	8.7	15.3	22.4	33.2	41.6
47.5°	0.0	0.7	1.1	1.3	2.9	7.4	11.7	21.9	32.3	43.7	56.9
45°	0.0	0.7	1.1	1.6	3.3	9.9	17.7	28.7	43.3	57.0	71.8
42.5°	0.0	0.8	1.2	1.9	3.8	12.5	23.8	37.4	54.6	69.9	88.9
40°	0.0	0.8	1.2	2.3	5.1	15.2	30.1	47.3	66.2	82.6	107.2
37.5°	0.0	0.9	1.3	2.8	7.2	18.1	36.4	57.2	78.3	97.8	126.4
35°	0.0	0.9	1.4	3.4	9.4	22.5	42.9	67.1	90.7	116.5	149.0
32.5°	0.0	0.9	1.4	4.0	11.6	27.6	49.9	77.0	103.2	135.2	176.5
30°	0.0	1.0	1.5	4.7	13.8	32.7	57.9	87.0	115.8	154.1	202.9
27.5°	0.0	1.0	1.5	5.4	16.6	37.7	65.8	97.4	129.7	172.9	228.1
25°	0.0	1.0	1.6	6.1	19.4	42.6	73.5	107.6	145.3	193.4	252.2
22.5°	0.0	1.0	1.6	6.9	22.2	47.6	80.9	117.7	160.6	214.0	276.5
20°	0.0	1.1	1.7	7.7	25.0	53.0	88.1	127.6	175.6	233.3	300.3
17.5°	0.0	1.1	1.8	8.5	27.8	58.2	95.2	137.3	190.0	251.5	323.3
15°	0.0	1.1	1.8	9.3	30.5	63.2	102.1	146.2	203.9	268.5	345.4
12.5°	0.0	1.1	1.9	10.1	33.1	68.0	108.5	154.2	215.0	284.2	366.4
10°	0.0	1.1	1.9	10.9	35.6	72.5	114.5	161.5	223.2	293.6	383.6
7.5°	0.0	1.2	2.0	11.7	37.9	76.7	119.9	168.2	230.2	300.9	393.6
5°	0.0	1.2	2.0	12.4	40.1	80.6	124.9	174.2	236.1	306.8	401.7
2.5°	0.0	1.2	2.1	13.1	42.1	84.2	129.4	179.5	240.9	311.3	407.9
0°	0.0	1.2	2.1	13.7	43.9	87.3	133.3	184.2	244.6	314.5	412.2
-2.5°	0.0	1.3	2.4	14.6	45.6	89.3	135.2	186.9	245.9	318.6	415.0
-5°	0.0	1.3	2.7	15.4	47.0	90.9	136.7	188.9	246.4	321.2	415.8
-7.5°	0.0	1.4	3.0	16.1	48.1	92.0	137.6	190.1	246.0	322.3	414.9
-10°	0.0	1.5	3.3	16.8	49.0	92.7	138.0	190.6	245.0	321.7	412.3
-12.5°	0.0	1.5	3.6	17.3	49.6	93.0	137.9	190.3	243.3	319.1	407.8
-15°	0.0	1.6	3.9	17.7	49.9	92.9	137.3	189.1	241.4	314.0	401.2
-17.5°	0.0	1.6	4.1	18.0	49.8	92.3	136.3	186.8	239.0	307.7	392.7
-20°	0.0	1.7	4.4	18.2	49.4	91.4	134.8	183.6	235.7	300.1	382.1

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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	1.7	4.6	18.2	48.7	90.0	132.5	179.7	231.3	291.4	369.6
-25°	0.0	1.7	4.7	18.2	47.7	87.8	129.8	175.1	225.9	281.7	355.1
-27.5°	0.0	1.8	4.9	17.9	46.3	85.1	126.5	170.0	219.5	272.2	342.3
-30°	0.0	1.8	5.0	17.6	44.6	82.0	122.7	164.3	212.5	264.2	328.6
-32.5°	0.0	1.8	5.1	17.0	42.5	78.6	118.3	158.9	205.1	254.9	313.9
-35°	0.0	1.8	5.2	16.4	40.3	74.8	113.7	153.3	197.1	244.4	298.3
-37.5°	0.0	1.8	5.2	15.5	37.8	71.0	108.6	147.2	188.5	232.7	283.0
-40°	0.0	1.8	5.2	14.6	35.1	67.5	103.2	140.4	179.3	221.7	267.8
-42.5°	0.0	1.7	5.2	13.5	33.0	63.8	97.4	133.1	170.5	210.0	251.5
-45°	0.0	1.7	5.1	12.5	31.6	59.9	91.2	125.5	161.4	197.5	234.6
-47.5°	0.0	1.7	5.1	11.3	30.0	55.8	84.7	117.9	151.8	184.5	220.0
-50°	0.0	1.6	4.9	10.9	28.1	51.4	79.3	109.9	141.0	172.4	204.6
-52.5°	0.0	1.6	4.8	10.6	26.0	46.8	73.8	101.5	130.8	160.1	189.0
-55°	0.0	1.5	4.6	10.3	23.6	43.3	68.2	93.1	120.5	147.4	175.0
-57.5°	0.0	1.4	4.4	9.9	21.0	39.8	62.3	86.4	109.8	135.2	160.7
-60°	0.0	1.3	4.1	9.3	18.3	35.9	56.3	79.0	99.2	122.9	146.5
-62.5°	0.0	1.3	3.9	8.7	17.0	31.8	50.9	70.9	89.3	110.2	132.5
-65°	0.0	1.2	3.6	7.9	15.5	27.4	45.1	62.6	78.8	97.5	118.2
-67.5°	0.0	1.1	3.3	7.1	13.9	23.7	38.9	54.3	67.8	84.3	102.8
-70°	0.0	1.0	3.0	6.2	12.1	20.7	32.3	45.8	58.0	70.4	86.3
-72.5°	0.0	0.8	2.7	5.4	10.1	17.5	27.4	37.1	48.0	59.0	70.1
-75°	0.0	0.7	2.3	4.7	8.1	14.2	22.4	29.9	37.8	47.4	57.1
-77.5°	0.0	0.6	2.0	4.0	6.7	10.7	17.2	23.1	29.4	36.1	43.8
-80°	0.0	0.5	1.6	3.2	5.4	8.1	11.7	16.2	21.0	26.3	31.9
-82.5°	0.0	0.4	1.2	2.4	4.1	6.1	8.6	10.4	12.6	16.2	20.2
-85°	0.0	0.3	0.8	1.6	2.7	4.1	5.8	7.0	8.2	9.5	10.8
-87.5°	0.0	0.1	0.4	0.8	1.4	2.1	2.9	3.5	4.1	4.7	5.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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 CATALOG NUMBER: GFLD-SA1E-727-U-LAM-VSR-XX

**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°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.6	0.6	0.6	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4
67.5°	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.4
65°	0.8	0.7	1.0	1.1	0.8	0.7	0.6	0.5	0.5	0.6	0.6
62.5°	1.2	1.5	2.0	3.5	2.6	0.7	1.4	1.6	1.2	1.0	1.0
60°	4.0	2.7	8.1	11.7	7.3	2.7	3.3	10.8	9.4	1.8	5.9
57.5°	8.5	11.6	21.5	21.8	15.1	10.5	30.4	35.1	26.6	15.5	23.7
55°	18.7	28.7	35.6	33.0	36.0	54.5	64.8	58.2	49.0	75.4	96.3
52.5°	36.5	46.8	49.1	56.4	80.7	92.7	88.9	95.0	123.3	153.1	159.5
50°	54.0	62.3	68.9	99.6	118.6	119.8	128.6	156.6	194.3	212.5	208.1
47.5°	70.8	79.5	109.9	139.4	148.0	159.7	181.8	235.7	275.6	276.4	271.9
45°	88.6	111.8	150.6	169.9	183.7	206.4	259.8	334.2	338.1	348.9	415.4
42.5°	107.6	148.3	182.2	202.2	224.6	266.8	338.1	386.9	403.7	451.1	504.5
40°	138.4	183.5	213.1	238.7	267.5	329.2	407.2	453.0	466.6	507.6	547.8
37.5°	169.7	212.9	246.1	276.9	316.9	400.2	490.5	528.2	535.1	542.6	631.7
35°	199.9	243.1	282.8	323.2	372.1	492.1	571.0	606.4	605.3	655.9	749.2
32.5°	228.0	273.9	320.8	374.8	455.6	578.5	657.4	678.6	710.9	784.5	911.8
30°	256.1	308.3	362.2	426.5	528.9	635.3	725.4	759.7	814.9	898.9	991.5
27.5°	285.1	343.6	408.7	484.1	586.7	684.6	761.5	843.2	896.8	972.1	1038.1
25°	313.9	381.0	454.6	534.4	628.0	719.2	798.9	893.2	950.8	1011.5	1073.0
22.5°	344.2	418.8	502.0	574.3	662.9	748.7	843.5	945.8	1020.7	1059.2	1100.5
20°	375.8	459.8	548.5	628.6	697.3	776.1	888.3	1012.6	1109.3	1152.7	1158.3
17.5°	407.0	499.5	594.9	681.6	755.7	825.8	935.4	1092.7	1212.8	1253.2	1271.1
15°	437.4	537.7	641.0	733.2	814.4	900.2	1017.3	1177.2	1314.6	1359.2	1387.5
12.5°	466.7	574.1	686.4	783.0	873.3	969.5	1091.6	1238.0	1363.4	1449.8	1501.6
10°	494.7	608.4	730.4	830.9	931.5	1033.8	1153.1	1283.3	1385.4	1468.7	1542.2
7.5°	508.8	630.9	768.2	876.4	988.2	1093.2	1203.5	1315.2	1401.2	1482.9	1554.0
5°	518.3	640.1	780.0	892.3	1018.3	1132.8	1239.9	1336.2	1411.5	1492.6	1562.0
2.5°	525.2	646.1	788.0	901.0	1029.6	1145.0	1250.4	1343.2	1420.1	1499.4	1570.5
0°	529.3	648.9	792.1	906.4	1036.7	1153.0	1256.5	1345.9	1425.7	1502.7	1579.3
-2.5°	531.6	657.6	794.8	920.1	1043.6	1159.9	1265.0	1352.3	1435.7	1509.0	1585.7
-5°	531.4	662.8	794.1	929.4	1046.8	1162.6	1269.3	1355.1	1441.2	1513.7	1588.3
-7.5°	528.5	664.0	790.5	932.3	1047.0	1161.7	1267.4	1356.5	1441.1	1518.0	1588.6
-10°	523.3	659.3	787.2	924.8	1043.0	1157.0	1261.7	1353.5	1437.7	1517.1	1587.2
-12.5°	517.3	649.6	780.3	914.0	1034.8	1148.2	1253.0	1345.8	1431.4	1510.6	1584.1
-15°	508.2	636.7	769.0	900.3	1022.4	1135.4	1241.7	1333.1	1421.7	1499.3	1574.7
-17.5°	495.9	620.8	753.0	884.0	1005.7	1118.7	1227.2	1316.4	1404.6	1484.7	1557.5
-20°	480.5	601.9	732.3	865.6	984.4	1096.2	1201.4	1294.8	1382.4	1463.9	1540.4



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 CATALOG NUMBER: GFLD-SA1E-727-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	461.9	580.2	707.4	840.7	957.9	1068.5	1172.4	1267.3	1358.0	1436.9	1518.4
-25°	443.2	557.2	679.8	806.2	927.1	1037.2	1141.4	1233.9	1326.6	1408.7	1486.1
-27.5°	425.3	530.6	647.8	768.3	892.2	1001.8	1105.1	1197.6	1287.7	1377.3	1451.9
-30°	405.3	499.8	612.7	727.8	848.6	960.1	1064.2	1160.2	1245.9	1334.5	1414.5
-32.5°	383.1	467.1	575.6	686.4	800.3	914.3	1017.4	1112.7	1201.9	1285.6	1369.6
-35°	361.5	440.7	536.3	641.9	749.1	860.9	964.1	1058.5	1151.0	1234.0	1314.3
-37.5°	342.0	412.1	494.6	595.4	697.8	803.6	908.5	999.9	1088.0	1179.3	1257.5
-40°	320.9	381.4	458.4	547.5	644.1	744.7	845.1	939.7	1022.5	1112.6	1198.7
-42.5°	298.8	356.4	422.7	496.8	588.0	682.8	779.8	872.3	958.2	1043.3	1128.6
-45°	279.5	329.9	386.4	454.1	528.3	617.6	709.4	801.6	884.1	965.1	1049.4
-47.5°	258.9	303.3	355.6	409.7	474.2	548.8	635.1	720.1	804.6	881.7	956.2
-50°	238.5	279.3	322.3	371.0	424.2	484.7	556.4	635.4	712.6	791.8	865.6
-52.5°	220.9	254.2	292.9	333.6	379.2	429.2	486.7	551.6	621.7	688.9	762.6
-55°	202.6	232.6	263.9	299.6	337.6	379.8	426.9	481.5	535.0	597.1	657.3
-57.5°	185.9	211.2	237.9	267.4	300.3	334.1	375.3	417.8	466.4	514.7	562.3
-60°	170.1	190.9	213.5	238.5	264.9	295.0	325.7	362.2	401.4	439.9	480.3
-62.5°	154.3	171.7	190.2	210.9	234.0	256.7	282.9	311.0	339.8	372.5	404.4
-65°	137.9	152.0	167.7	184.9	203.3	222.7	242.8	263.6	288.1	312.0	335.2
-67.5°	120.6	132.7	145.3	158.9	174.3	189.6	204.7	222.3	240.3	258.0	276.4
-70°	101.4	112.8	123.3	134.3	145.8	157.7	170.7	183.6	196.3	209.6	224.3
-72.5°	81.9	92.3	101.6	109.7	119.2	129.1	138.6	147.6	157.2	167.3	177.2
-75°	65.3	72.2	80.5	88.1	95.6	102.6	108.8	116.5	124.5	131.8	137.8
-77.5°	51.0	57.2	62.9	68.0	74.0	80.9	87.0	92.3	97.4	102.9	108.8
-80°	37.1	42.3	47.5	52.2	55.6	59.5	64.2	69.6	74.2	77.9	81.4
-82.5°	23.9	27.7	31.5	35.5	37.1	38.1	39.2	41.0	43.9	46.7	49.4
-85°	11.9	13.0	15.3	17.7	18.6	19.2	19.6	19.8	20.8	21.7	22.5
-87.5°	6.0	6.5	7.0	7.6	7.3	6.9	6.4	5.9	5.7	5.6	5.3
-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: P645345 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-727-U-LAM-VSR-XX

**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°	0.3	0.3	0.3	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
65°	0.6	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.3	0.2
62.5°	1.0	1.1	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.7
60°	6.5	3.8	2.2	2.6	2.3	1.5	2.0	2.3	2.3	2.2	1.9
57.5°	36.0	26.9	19.9	47.5	47.6	22.7	27.4	43.1	35.5	11.7	10.8
55°	100.1	119.7	157.5	149.6	152.0	174.9	191.0	169.1	165.7	176.6	204.0
52.5°	179.7	198.5	211.2	223.1	237.6	253.2	269.2	279.4	289.0	299.2	305.2
50°	229.6	255.9	274.0	267.4	304.9	320.2	304.7	318.6	335.6	340.2	342.4
47.5°	339.0	377.7	385.3	410.2	432.6	432.1	413.1	414.2	464.8	509.4	531.3
45°	487.2	488.5	512.8	556.8	588.2	578.3	604.8	665.1	685.2	704.7	720.6
42.5°	544.9	568.8	607.6	646.5	670.0	690.3	709.9	732.1	758.2	779.3	796.2
40°	600.8	620.1	659.8	691.1	710.6	729.5	752.4	777.0	800.8	819.4	832.1
37.5°	686.9	701.8	711.5	740.5	777.3	760.3	803.7	834.9	849.1	868.0	869.7
35°	817.0	807.1	794.2	909.9	916.9	877.8	918.4	966.7	941.3	994.2	1022.7
32.5°	932.5	931.0	1032.0	1092.8	1057.8	1086.4	1180.0	1175.8	1238.2	1267.2	1258.9
30°	1041.2	1078.3	1136.7	1182.0	1188.1	1233.1	1274.6	1311.1	1348.8	1382.5	1384.8
27.5°	1096.4	1144.8	1184.4	1210.7	1239.9	1277.8	1315.5	1356.6	1388.6	1409.7	1414.9
25°	1129.8	1179.2	1209.2	1237.5	1269.7	1302.4	1344.7	1389.3	1415.1	1428.1	1432.3
22.5°	1159.2	1203.6	1235.9	1258.8	1293.5	1328.7	1368.1	1405.9	1433.9	1439.6	1441.7
20°	1187.5	1230.2	1284.1	1317.8	1316.1	1355.8	1393.7	1423.8	1447.1	1447.0	1447.6
17.5°	1269.5	1284.7	1382.6	1456.8	1420.0	1400.7	1505.0	1507.0	1513.2	1500.9	1474.2
15°	1390.8	1418.6	1538.8	1619.3	1593.9	1592.6	1743.4	1706.0	1738.2	1729.7	1765.9
12.5°	1519.4	1552.3	1642.1	1721.1	1758.8	1768.1	1818.4	1865.6	1875.3	1871.5	1864.3
10°	1607.0	1653.8	1689.9	1737.8	1775.8	1814.6	1843.7	1877.6	1888.7	1882.3	1873.2
7.5°	1618.4	1664.6	1707.0	1749.1	1785.3	1816.5	1846.8	1874.4	1885.7	1881.9	1875.7
5°	1625.7	1667.5	1708.6	1751.3	1785.9	1814.8	1845.0	1872.9	1879.6	1875.1	1869.1
2.5°	1630.1	1668.9	1708.4	1751.0	1782.4	1810.0	1840.5	1870.3	1870.3	1868.3	1864.8
0°	1632.3	1671.2	1717.1	1755.6	1790.8	1816.8	1847.1	1876.0	1874.0	1868.6	1862.4
-2.5°	1637.0	1676.3	1723.2	1755.1	1794.7	1818.6	1849.9	1875.0	1874.0	1871.4	1868.3
-5°	1641.1	1685.4	1729.2	1762.8	1802.5	1833.8	1864.8	1884.4	1885.5	1881.8	1876.6
-7.5°	1643.6	1692.7	1734.6	1768.3	1806.8	1843.1	1874.6	1895.2	1895.7	1890.8	1884.6
-10°	1642.7	1694.6	1737.7	1772.5	1812.0	1847.8	1880.7	1906.9	1906.0	1901.4	1896.1
-12.5°	1639.7	1691.4	1735.7	1770.6	1815.5	1852.4	1889.4	1915.4	1916.7	1913.3	1907.5
-15°	1632.9	1686.3	1729.3	1767.5	1811.4	1854.6	1892.7	1921.3	1926.4	1923.5	1919.0
-17.5°	1619.4	1675.8	1721.4	1762.5	1804.7	1850.7	1894.0	1925.3	1932.3	1931.2	1927.4
-20°	1601.6	1659.9	1706.2	1749.3	1795.2	1842.5	1892.9	1921.5	1931.7	1932.3	1929.8

Classified

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

Scaled Data Report



REPORT NUMBER: P645345 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1E-727-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1581.7	1638.8	1688.0	1730.3	1780.0	1828.0	1873.6	1907.1	1924.1	1927.3	1927.5
-25°	1557.9	1616.5	1665.4	1710.5	1756.7	1806.3	1852.3	1889.8	1907.0	1915.3	1917.8
-27.5°	1524.2	1584.8	1632.9	1680.5	1727.6	1778.8	1827.2	1867.9	1881.9	1893.3	1897.8
-30°	1484.8	1544.7	1593.7	1637.3	1691.1	1743.3	1793.3	1828.8	1849.9	1862.9	1870.0
-32.5°	1439.5	1499.9	1551.3	1596.8	1648.0	1700.2	1747.2	1784.6	1813.8	1828.8	1836.4
-35°	1390.3	1452.0	1505.8	1553.7	1601.9	1651.7	1700.4	1739.6	1772.8	1785.7	1795.2
-37.5°	1330.9	1399.1	1454.2	1503.6	1549.4	1596.2	1646.9	1691.7	1724.0	1736.5	1746.5
-40°	1270.1	1335.9	1391.6	1444.3	1489.5	1540.6	1589.5	1636.4	1664.4	1679.0	1690.4
-42.5°	1205.8	1265.3	1318.2	1369.4	1419.9	1472.4	1521.2	1570.0	1594.3	1611.8	1625.7
-45°	1131.7	1187.0	1238.4	1286.4	1338.3	1390.0	1438.9	1482.0	1510.8	1533.7	1551.4
-47.5°	1032.8	1100.2	1151.9	1197.4	1249.0	1298.8	1346.2	1386.8	1418.4	1445.1	1465.7
-50°	932.4	997.1	1055.4	1106.6	1154.4	1200.5	1245.5	1285.2	1318.7	1347.6	1368.5
-52.5°	833.5	894.1	951.9	1004.8	1050.8	1094.3	1135.6	1175.5	1210.8	1241.7	1261.9
-55°	721.8	784.6	841.8	891.1	937.0	980.0	1020.8	1058.6	1093.4	1124.9	1144.2
-57.5°	617.0	672.1	725.3	770.8	814.2	855.1	893.7	930.0	963.4	993.1	1011.7
-60°	520.7	560.9	606.6	648.6	687.1	722.0	758.0	791.7	822.5	848.5	865.9
-62.5°	435.6	468.8	501.9	533.8	565.0	596.3	626.5	654.5	680.2	701.5	716.8
-65°	359.7	386.4	410.3	433.0	454.5	479.2	502.2	523.8	543.7	560.1	571.7
-67.5°	296.1	314.9	331.5	347.0	364.0	381.5	397.9	412.1	424.3	434.0	441.7
-70°	238.8	252.6	265.1	277.5	289.9	301.3	312.1	322.6	332.5	340.7	346.8
-72.5°	187.0	196.5	205.0	214.5	223.5	232.1	239.6	245.6	250.3	254.9	258.9
-75°	142.6	149.7	159.3	167.3	174.0	179.9	185.4	190.2	194.4	198.2	201.5
-77.5°	114.7	120.7	126.8	132.7	138.4	142.6	146.6	150.5	154.4	157.7	160.7
-80°	85.0	89.5	94.2	98.9	103.6	106.0	107.9	109.6	111.2	113.2	115.0
-82.5°	52.0	54.5	57.1	59.8	62.5	63.1	63.3	63.3	62.9	62.2	61.1
-85°	23.1	23.3	23.2	22.9	22.5	21.6	20.5	19.1	17.7	17.5	17.2
-87.5°	5.1	5.0	4.9	4.7	4.5	4.5	4.5	4.5	4.4	4.6	4.7
-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: P645345 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-727-U-LAM-VSR-XX

**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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
85°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.2	0.0	0.2	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.2	0.0	0.2	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.4	0.4
65°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.5
62.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8
60°	1.5	1.0	0.8	0.8	0.8	1.0	1.5	1.9	2.2	2.3	2.3
57.5°	9.2	6.8	5.8	5.4	5.8	6.8	9.2	10.8	11.7	35.5	43.1
55°	223.7	235.1	243.6	247.5	243.6	235.1	223.7	204.0	176.6	165.7	169.1
52.5°	310.5	315.5	318.3	318.3	318.3	315.5	310.5	305.2	299.2	289.0	279.4
50°	346.1	348.5	349.4	348.9	349.4	348.5	346.1	342.4	340.2	335.6	318.6
47.5°	511.3	467.1	434.5	426.7	434.5	467.1	511.3	531.3	509.4	464.8	414.2
45°	728.2	745.0	761.7	766.9	761.7	745.0	728.2	720.6	704.7	685.2	665.1
42.5°	803.3	808.8	811.8	812.0	811.8	808.8	803.3	796.2	779.3	758.2	732.1
40°	839.2	844.3	847.3	847.6	847.3	844.3	839.2	832.1	819.4	800.8	777.0
37.5°	871.7	876.1	879.0	881.9	879.0	876.1	871.7	869.7	868.0	849.1	834.9
35°	1018.9	985.5	937.5	944.8	937.5	985.5	1018.9	1022.7	994.2	941.3	966.7
32.5°	1271.8	1285.8	1294.6	1309.5	1294.6	1285.8	1271.8	1258.9	1267.2	1238.2	1175.8
30°	1388.5	1393.1	1400.2	1407.5	1400.2	1393.1	1388.5	1384.8	1382.5	1348.8	1311.1
27.5°	1417.6	1422.4	1426.7	1429.9	1426.7	1422.4	1417.6	1414.9	1409.7	1388.6	1356.6
25°	1432.9	1435.9	1440.4	1444.4	1440.4	1435.9	1432.9	1432.3	1428.1	1415.1	1389.3
22.5°	1440.5	1440.7	1444.3	1449.3	1444.3	1440.7	1440.5	1441.7	1439.6	1433.9	1405.9
20°	1445.6	1442.8	1446.5	1449.8	1446.5	1442.8	1445.6	1447.6	1447.0	1447.1	1423.8
17.5°	1511.8	1474.1	1458.6	1458.9	1458.6	1474.1	1511.8	1474.2	1500.9	1513.2	1507.0
15°	1725.3	1739.4	1793.7	1823.1	1793.7	1739.4	1725.3	1765.9	1729.7	1738.2	1706.0
12.5°	1863.0	1857.9	1851.5	1860.3	1851.5	1857.9	1863.0	1864.3	1871.5	1875.3	1865.6
10°	1869.4	1868.8	1857.3	1869.8	1857.3	1868.8	1869.4	1873.2	1882.3	1888.7	1877.6
7.5°	1865.4	1865.8	1860.9	1873.1	1860.9	1865.8	1865.4	1875.7	1881.9	1885.7	1874.4
5°	1868.0	1859.7	1862.9	1869.8	1862.9	1859.7	1868.0	1869.1	1875.1	1879.6	1872.9
2.5°	1860.8	1860.0	1853.8	1858.6	1853.8	1860.0	1860.8	1864.8	1868.3	1870.3	1870.3
0°	1855.3	1850.8	1850.8	1854.9	1850.8	1850.8	1855.3	1862.4	1868.6	1874.0	1876.0
-2.5°	1865.1	1864.2	1863.6	1860.7	1863.6	1864.2	1865.1	1868.3	1871.4	1874.0	1875.0
-5°	1873.2	1870.7	1863.9	1873.1	1863.9	1870.7	1873.2	1876.6	1881.8	1885.5	1884.4
-7.5°	1881.9	1875.5	1869.1	1883.5	1869.1	1875.5	1881.9	1884.6	1890.8	1895.7	1895.2
-10°	1889.7	1880.7	1874.4	1888.4	1874.4	1880.7	1889.7	1896.1	1901.4	1906.0	1906.9
-12.5°	1900.2	1889.6	1885.4	1893.0	1885.4	1889.6	1900.2	1907.5	1913.3	1916.7	1915.4
-15°	1911.3	1904.0	1903.0	1907.5	1903.0	1904.0	1911.3	1919.0	1923.5	1926.4	1921.3
-17.5°	1921.1	1916.0	1918.5	1923.6	1918.5	1916.0	1921.1	1927.4	1931.2	1932.3	1925.3
-20°	1925.8	1922.9	1925.8	1938.5	1925.8	1922.9	1925.8	1929.8	1932.3	1931.7	1921.5



REPORT NUMBER: P645345 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-727-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1925.4	1925.6	1930.6	1934.8	1930.6	1925.6	1925.4	1927.5	1927.3	1924.1	1907.1
-25°	1918.0	1921.9	1927.7	1936.0	1927.7	1921.9	1918.0	1917.8	1915.3	1907.0	1889.8
-27.5°	1900.3	1906.7	1912.8	1921.6	1912.8	1906.7	1900.3	1897.8	1893.3	1881.9	1867.9
-30°	1874.7	1882.4	1887.8	1897.1	1887.8	1882.4	1874.7	1870.0	1862.9	1849.9	1828.8
-32.5°	1843.5	1852.2	1858.6	1865.3	1858.6	1852.2	1843.5	1836.4	1828.8	1813.8	1784.6
-35°	1804.5	1813.9	1820.7	1826.8	1820.7	1813.9	1804.5	1795.2	1785.7	1772.8	1739.6
-37.5°	1757.8	1767.8	1775.6	1782.5	1775.6	1767.8	1757.8	1746.5	1736.5	1724.0	1691.7
-40°	1703.2	1713.5	1721.8	1729.5	1721.8	1713.5	1703.2	1690.4	1679.0	1664.4	1636.4
-42.5°	1639.4	1649.8	1658.3	1666.2	1658.3	1649.8	1639.4	1625.7	1611.8	1594.3	1570.0
-45°	1565.7	1576.5	1585.5	1593.8	1585.5	1576.5	1565.7	1551.4	1533.7	1510.8	1482.0
-47.5°	1480.9	1492.4	1500.1	1504.0	1500.1	1492.4	1480.9	1465.7	1445.1	1418.4	1386.8
-50°	1383.7	1395.1	1404.4	1411.3	1404.4	1395.1	1383.7	1368.5	1347.6	1318.7	1285.2
-52.5°	1276.7	1287.5	1295.5	1300.3	1295.5	1287.5	1276.7	1261.9	1241.7	1210.8	1175.5
-55°	1159.5	1170.9	1178.4	1182.0	1178.4	1170.9	1159.5	1144.2	1124.9	1093.4	1058.6
-57.5°	1026.5	1037.4	1045.4	1050.0	1045.4	1037.4	1026.5	1011.7	993.1	963.4	930.0
-60°	879.5	889.1	895.3	897.7	895.3	889.1	879.5	865.9	848.5	822.5	791.7
-62.5°	729.1	738.3	744.0	746.2	744.0	738.3	729.1	716.8	701.5	680.2	654.5
-65°	580.4	586.1	589.3	589.8	589.3	586.1	580.4	571.7	560.1	543.7	523.8
-67.5°	447.8	452.1	454.8	455.7	454.8	452.1	447.8	441.7	434.0	424.3	412.1
-70°	351.3	354.4	356.0	356.3	356.0	354.4	351.3	346.8	340.7	332.5	322.6
-72.5°	261.9	264.1	263.4	261.6	263.4	264.1	261.9	258.9	254.9	250.3	245.6
-75°	204.4	206.8	205.7	204.0	205.7	206.8	204.4	201.5	198.2	194.4	190.2
-77.5°	163.2	165.4	164.3	162.6	164.3	165.4	163.2	160.7	157.7	154.4	150.5
-80°	116.6	117.9	118.8	119.2	118.8	117.9	116.6	115.0	113.2	111.2	109.6
-82.5°	59.7	58.0	56.8	55.5	56.8	58.0	59.7	61.1	62.2	62.9	63.3
-85°	16.9	16.5	16.8	17.0	16.8	16.5	16.9	17.2	17.5	17.7	19.1
-87.5°	4.9	5.0	5.0	5.0	5.0	5.0	4.9	4.7	4.6	4.4	4.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645345 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-727-U-LAM-VSR-XX

**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°	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5
65°	0.5	0.5	0.5	0.6	0.6	0.5	0.6	0.6	0.6	0.5	0.5
62.5°	0.8	0.8	0.9	0.9	0.9	1.1	1.0	1.0	1.0	1.2	1.6
60°	2.0	1.5	2.3	2.6	2.2	3.8	6.5	5.9	1.8	9.4	10.8
57.5°	27.4	22.7	47.6	47.5	19.9	26.9	36.0	23.7	15.5	26.6	35.1
55°	191.0	174.9	152.0	149.6	157.5	119.7	100.1	96.3	75.4	49.0	58.2
52.5°	269.2	253.2	237.6	223.1	211.2	198.5	179.7	159.5	153.1	123.3	95.0
50°	304.7	320.2	304.9	267.4	274.0	255.9	229.6	208.1	212.5	194.3	156.6
47.5°	413.1	432.1	432.6	410.2	385.3	377.7	339.0	271.9	276.4	275.6	235.7
45°	604.8	578.3	588.2	556.8	512.8	488.5	487.2	415.4	348.9	338.1	334.2
42.5°	709.9	690.3	670.0	646.5	607.6	568.8	544.9	504.5	451.1	403.7	386.9
40°	752.4	729.5	710.6	691.1	659.8	620.1	600.8	547.8	507.6	466.6	453.0
37.5°	803.7	760.3	777.3	740.5	711.5	701.8	686.9	631.7	542.6	535.1	528.2
35°	918.4	877.8	916.9	909.9	794.2	807.1	817.0	749.2	655.9	605.3	606.4
32.5°	1180.0	1086.4	1057.8	1092.8	1032.0	931.0	932.5	911.8	784.5	710.9	678.6
30°	1274.6	1233.1	1188.1	1182.0	1136.7	1078.3	1041.2	991.5	898.9	814.9	759.7
27.5°	1315.5	1277.8	1239.9	1210.7	1184.4	1144.8	1096.4	1038.1	972.1	896.8	843.2
25°	1344.7	1302.4	1269.7	1237.5	1209.2	1179.2	1129.8	1073.0	1011.5	950.8	893.2
22.5°	1368.1	1328.7	1293.5	1258.8	1235.9	1203.6	1159.2	1100.5	1059.2	1020.7	945.8
20°	1393.7	1355.8	1316.1	1317.8	1284.1	1230.2	1187.5	1158.3	1152.7	1109.3	1012.6
17.5°	1505.0	1400.7	1420.0	1456.8	1382.6	1284.7	1269.5	1271.1	1253.2	1212.8	1092.7
15°	1743.4	1592.6	1593.9	1619.3	1538.8	1418.6	1390.8	1387.5	1359.2	1314.6	1177.2
12.5°	1818.4	1768.1	1758.8	1721.1	1642.1	1552.3	1519.4	1501.6	1449.8	1363.4	1238.0
10°	1843.7	1814.6	1775.8	1737.8	1689.9	1653.8	1607.0	1542.2	1468.7	1385.4	1283.3
7.5°	1846.8	1816.5	1785.3	1749.1	1707.0	1664.6	1618.4	1554.0	1482.9	1401.2	1315.2
5°	1845.0	1814.8	1785.9	1751.3	1708.6	1667.5	1625.7	1562.0	1492.6	1411.5	1336.2
2.5°	1840.5	1810.0	1782.4	1751.0	1708.4	1668.9	1630.1	1570.5	1499.4	1420.1	1343.2
0°	1847.1	1816.8	1790.8	1755.6	1717.1	1671.2	1632.3	1579.3	1502.7	1425.7	1345.9
-2.5°	1849.9	1818.6	1794.7	1755.1	1723.2	1676.3	1637.0	1585.7	1509.0	1435.7	1352.3
-5°	1864.8	1833.8	1802.5	1762.8	1729.2	1685.4	1641.1	1588.3	1513.7	1441.2	1355.1
-7.5°	1874.6	1843.1	1806.8	1768.3	1734.6	1692.7	1643.6	1588.6	1518.0	1441.1	1356.5
-10°	1880.7	1847.8	1812.0	1772.5	1737.7	1694.6	1642.7	1587.2	1517.1	1437.7	1353.5
-12.5°	1889.4	1852.4	1815.5	1770.6	1735.7	1691.4	1639.7	1584.1	1510.6	1431.4	1345.8
-15°	1892.7	1854.6	1811.4	1767.5	1729.3	1686.3	1632.9	1574.7	1499.3	1421.7	1333.1
-17.5°	1894.0	1850.7	1804.7	1762.5	1721.4	1675.8	1619.4	1557.5	1484.7	1404.6	1316.4
-20°	1892.9	1842.5	1795.2	1749.3	1706.2	1659.9	1601.6	1540.4	1463.9	1382.4	1294.8



Classified

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

Scaled Data Report



REPORT NUMBER: P645345 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1E-727-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1873.6	1828.0	1780.0	1730.3	1688.0	1638.8	1581.7	1518.4	1436.9	1358.0	1267.3
-25°	1852.3	1806.3	1756.7	1710.5	1665.4	1616.5	1557.9	1486.1	1408.7	1326.6	1233.9
-27.5°	1827.2	1778.8	1727.6	1680.5	1632.9	1584.8	1524.2	1451.9	1377.3	1287.7	1197.6
-30°	1793.3	1743.3	1691.1	1637.3	1593.7	1544.7	1484.8	1414.5	1334.5	1245.9	1160.2
-32.5°	1747.2	1700.2	1648.0	1596.8	1551.3	1499.9	1439.5	1369.6	1285.6	1201.9	1112.7
-35°	1700.4	1651.7	1601.9	1553.7	1505.8	1452.0	1390.3	1314.3	1234.0	1151.0	1058.5
-37.5°	1646.9	1596.2	1549.4	1503.6	1454.2	1399.1	1330.9	1257.5	1179.3	1088.0	999.9
-40°	1589.5	1540.6	1489.5	1444.3	1391.6	1335.9	1270.1	1198.7	1112.6	1022.5	939.7
-42.5°	1521.2	1472.4	1419.9	1369.4	1318.2	1265.3	1205.8	1128.6	1043.3	958.2	872.3
-45°	1438.9	1390.0	1338.3	1286.4	1238.4	1187.0	1131.7	1049.4	965.1	884.1	801.6
-47.5°	1346.2	1298.8	1249.0	1197.4	1151.9	1100.2	1032.8	956.2	881.7	804.6	720.1
-50°	1245.5	1200.5	1154.4	1106.6	1055.4	997.1	932.4	865.6	791.8	712.6	635.4
-52.5°	1135.6	1094.3	1050.8	1004.8	951.9	894.1	833.5	762.6	688.9	621.7	551.6
-55°	1020.8	980.0	937.0	891.1	841.8	784.6	721.8	657.3	597.1	535.0	481.5
-57.5°	893.7	855.1	814.2	770.8	725.3	672.1	617.0	562.3	514.7	466.4	417.8
-60°	758.0	722.0	687.1	648.6	606.6	560.9	520.7	480.3	439.9	401.4	362.2
-62.5°	626.5	596.3	565.0	533.8	501.9	468.8	435.6	404.4	372.5	339.8	311.0
-65°	502.2	479.2	454.5	433.0	410.3	386.4	359.7	335.2	312.0	288.1	263.6
-67.5°	397.9	381.5	364.0	347.0	331.5	314.9	296.1	276.4	258.0	240.3	222.3
-70°	312.1	301.3	289.9	277.5	265.1	252.6	238.8	224.3	209.6	196.3	183.6
-72.5°	239.6	232.1	223.5	214.5	205.0	196.5	187.0	177.2	167.3	157.2	147.6
-75°	185.4	179.9	174.0	167.3	159.3	149.7	142.6	137.8	131.8	124.5	116.5
-77.5°	146.6	142.6	138.4	132.7	126.8	120.7	114.7	108.8	102.9	97.4	92.3
-80°	107.9	106.0	103.6	98.9	94.2	89.5	85.0	81.4	77.9	74.2	69.6
-82.5°	63.3	63.1	62.5	59.8	57.1	54.5	52.0	49.4	46.7	43.9	41.0
-85°	20.5	21.6	22.5	22.9	23.2	23.3	23.1	22.5	21.7	20.8	19.8
-87.5°	4.5	4.5	4.5	4.7	4.9	5.0	5.1	5.3	5.6	5.7	5.9
-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: P645345 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-727-U-LAM-VSR-XX

**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°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.6
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7
72.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.5	0.6	0.7
70°	0.5	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.7
67.5°	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.9	0.9	0.7	0.8
65°	0.6	0.7	0.8	1.1	1.0	0.7	0.8	1.6	1.3	1.1	0.8
62.5°	1.4	0.7	2.6	3.5	2.0	1.5	1.2	3.6	2.3	1.5	1.1
60°	3.3	2.7	7.3	11.7	8.1	2.7	4.0	6.2	5.7	2.0	1.6
57.5°	30.4	10.5	15.1	21.8	21.5	11.6	8.5	11.3	9.7	5.6	2.2
55°	64.8	54.5	36.0	33.0	35.6	28.7	18.7	18.3	15.1	10.4	3.6
52.5°	88.9	92.7	80.7	56.4	49.1	46.8	36.5	26.6	23.6	15.7	9.1
50°	128.6	119.8	118.6	99.6	68.9	62.3	54.0	41.6	33.2	22.4	15.3
47.5°	181.8	159.7	148.0	139.4	109.9	79.5	70.8	56.9	43.7	32.3	21.9
45°	259.8	206.4	183.7	169.9	150.6	111.8	88.6	71.8	57.0	43.3	28.7
42.5°	338.1	266.8	224.6	202.2	182.2	148.3	107.6	88.9	69.9	54.6	37.4
40°	407.2	329.2	267.5	238.7	213.1	183.5	138.4	107.2	82.6	66.2	47.3
37.5°	490.5	400.2	316.9	276.9	246.1	212.9	169.7	126.4	97.8	78.3	57.2
35°	571.0	492.1	372.1	323.2	282.8	243.1	199.9	149.0	116.5	90.7	67.1
32.5°	657.4	578.5	455.6	374.8	320.8	273.9	228.0	176.5	135.2	103.2	77.0
30°	725.4	635.3	528.9	426.5	362.2	308.3	256.1	202.9	154.1	115.8	87.0
27.5°	761.5	684.6	586.7	484.1	408.7	343.6	285.1	228.1	172.9	129.7	97.4
25°	798.9	719.2	628.0	534.4	454.6	381.0	313.9	252.2	193.4	145.3	107.6
22.5°	843.5	748.7	662.9	574.3	502.0	418.8	344.2	276.5	214.0	160.6	117.7
20°	888.3	776.1	697.3	628.6	548.5	459.8	375.8	300.3	233.3	175.6	127.6
17.5°	935.4	825.8	755.7	681.6	594.9	499.5	407.0	323.3	251.5	190.0	137.3
15°	1017.3	900.2	814.4	733.2	641.0	537.7	437.4	345.4	268.5	203.9	146.2
12.5°	1091.6	969.5	873.3	783.0	686.4	574.1	466.7	366.4	284.2	215.0	154.2
10°	1153.1	1033.8	931.5	830.9	730.4	608.4	494.7	383.6	293.6	223.2	161.5
7.5°	1203.5	1093.2	988.2	876.4	768.2	630.9	508.8	393.6	300.9	230.2	168.2
5°	1239.9	1132.8	1018.3	892.3	780.0	640.1	518.3	401.7	306.8	236.1	174.2
2.5°	1250.4	1145.0	1029.6	901.0	788.0	646.1	525.2	407.9	311.3	240.9	179.5
0°	1256.5	1153.0	1036.7	906.4	792.1	648.9	529.3	412.2	314.5	244.6	184.2
-2.5°	1265.0	1159.9	1043.6	920.1	794.8	657.6	531.6	415.0	318.6	245.9	186.9
-5°	1269.3	1162.6	1046.8	929.4	794.1	662.8	531.4	415.8	321.2	246.4	188.9
-7.5°	1267.4	1161.7	1047.0	932.3	790.5	664.0	528.5	414.9	322.3	246.0	190.1
-10°	1261.7	1157.0	1043.0	924.8	787.2	659.3	523.3	412.3	321.7	245.0	190.6
-12.5°	1253.0	1148.2	1034.8	914.0	780.3	649.6	517.3	407.8	319.1	243.3	190.3
-15°	1241.7	1135.4	1022.4	900.3	769.0	636.7	508.2	401.2	314.0	241.4	189.1
-17.5°	1227.2	1118.7	1005.7	884.0	753.0	620.8	495.9	392.7	307.7	239.0	186.8
-20°	1201.4	1096.2	984.4	865.6	732.3	601.9	480.5	382.1	300.1	235.7	183.6



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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°	1172.4	1068.5	957.9	840.7	707.4	580.2	461.9	369.6	291.4	231.3	179.7
-25°	1141.4	1037.2	927.1	806.2	679.8	557.2	443.2	355.1	281.7	225.9	175.1
-27.5°	1105.1	1001.8	892.2	768.3	647.8	530.6	425.3	342.3	272.2	219.5	170.0
-30°	1064.2	960.1	848.6	727.8	612.7	499.8	405.3	328.6	264.2	212.5	164.3
-32.5°	1017.4	914.3	800.3	686.4	575.6	467.1	383.1	313.9	254.9	205.1	158.9
-35°	964.1	860.9	749.1	641.9	536.3	440.7	361.5	298.3	244.4	197.1	153.3
-37.5°	908.5	803.6	697.8	595.4	494.6	412.1	342.0	283.0	232.7	188.5	147.2
-40°	845.1	744.7	644.1	547.5	458.4	381.4	320.9	267.8	221.7	179.3	140.4
-42.5°	779.8	682.8	588.0	496.8	422.7	356.4	298.8	251.5	210.0	170.5	133.1
-45°	709.4	617.6	528.3	454.1	386.4	329.9	279.5	234.6	197.5	161.4	125.5
-47.5°	635.1	548.8	474.2	409.7	355.6	303.3	258.9	220.0	184.5	151.8	117.9
-50°	556.4	484.7	424.2	371.0	322.3	279.3	238.5	204.6	172.4	141.0	109.9
-52.5°	486.7	429.2	379.2	333.6	292.9	254.2	220.9	189.0	160.1	130.8	101.5
-55°	426.9	379.8	337.6	299.6	263.9	232.6	202.6	175.0	147.4	120.5	93.1
-57.5°	375.3	334.1	300.3	267.4	237.9	211.2	185.9	160.7	135.2	109.8	86.4
-60°	325.7	295.0	264.9	238.5	213.5	190.9	170.1	146.5	122.9	99.2	79.0
-62.5°	282.9	256.7	234.0	210.9	190.2	171.7	154.3	132.5	110.2	89.3	70.9
-65°	242.8	222.7	203.3	184.9	167.7	152.0	137.9	118.2	97.5	78.8	62.6
-67.5°	204.7	189.6	174.3	158.9	145.3	132.7	120.6	102.8	84.3	67.8	54.3
-70°	170.7	157.7	145.8	134.3	123.3	112.8	101.4	86.3	70.4	58.0	45.8
-72.5°	138.6	129.1	119.2	109.7	101.6	92.3	81.9	70.1	59.0	48.0	37.1
-75°	108.8	102.6	95.6	88.1	80.5	72.2	65.3	57.1	47.4	37.8	29.9
-77.5°	87.0	80.9	74.0	68.0	62.9	57.2	51.0	43.8	36.1	29.4	23.1
-80°	64.2	59.5	55.6	52.2	47.5	42.3	37.1	31.9	26.3	21.0	16.2
-82.5°	39.2	38.1	37.1	35.5	31.5	27.7	23.9	20.2	16.2	12.6	10.4
-85°	19.6	19.2	18.6	17.7	15.3	13.0	11.9	10.8	9.5	8.2	7.0
-87.5°	6.4	6.9	7.3	7.6	7.0	6.5	6.0	5.4	4.7	4.1	3.5
-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°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
85°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
82.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
80°	0.8	0.7	0.6	0.4	0.3	0.2	0.0
77.5°	0.8	0.8	0.7	0.5	0.3	0.2	0.0
75°	0.8	0.8	0.8	0.6	0.4	0.3	0.0
72.5°	0.8	0.9	0.8	0.7	0.5	0.3	0.0
70°	0.8	0.9	0.9	0.8	0.6	0.3	0.0
67.5°	0.9	0.9	0.9	0.8	0.6	0.4	0.0
65°	1.1	1.1	1.0	0.9	0.7	0.4	0.0
62.5°	1.3	1.3	1.0	0.9	0.8	0.5	0.0
60°	1.5	1.6	1.1	1.0	0.9	0.5	0.0
57.5°	2.8	2.0	1.4	1.0	0.9	0.6	0.0
55°	4.5	2.4	1.7	1.1	0.9	0.6	0.0
52.5°	6.5	3.0	2.1	1.1	1.0	0.6	0.0
50°	8.7	5.1	2.5	1.1	1.0	0.7	0.0
47.5°	11.7	7.4	2.9	1.3	1.1	0.7	0.0
45°	17.7	9.9	3.3	1.6	1.1	0.7	0.0
42.5°	23.8	12.5	3.8	1.9	1.2	0.8	0.0
40°	30.1	15.2	5.1	2.3	1.2	0.8	0.0
37.5°	36.4	18.1	7.2	2.8	1.3	0.9	0.0
35°	42.9	22.5	9.4	3.4	1.4	0.9	0.0
32.5°	49.9	27.6	11.6	4.0	1.4	0.9	0.0
30°	57.9	32.7	13.8	4.7	1.5	1.0	0.0
27.5°	65.8	37.7	16.6	5.4	1.5	1.0	0.0
25°	73.5	42.6	19.4	6.1	1.6	1.0	0.0
22.5°	80.9	47.6	22.2	6.9	1.6	1.0	0.0
20°	88.1	53.0	25.0	7.7	1.7	1.1	0.0
17.5°	95.2	58.2	27.8	8.5	1.8	1.1	0.0
15°	102.1	63.2	30.5	9.3	1.8	1.1	0.0
12.5°	108.5	68.0	33.1	10.1	1.9	1.1	0.0
10°	114.5	72.5	35.6	10.9	1.9	1.1	0.0
7.5°	119.9	76.7	37.9	11.7	2.0	1.2	0.0
5°	124.9	80.6	40.1	12.4	2.0	1.2	0.0
2.5°	129.4	84.2	42.1	13.1	2.1	1.2	0.0
0°	133.3	87.3	43.9	13.7	2.1	1.2	0.0
-2.5°	135.2	89.3	45.6	14.6	2.4	1.3	0.0
-5°	136.7	90.9	47.0	15.4	2.7	1.3	0.0
-7.5°	137.6	92.0	48.1	16.1	3.0	1.4	0.0
-10°	138.0	92.7	49.0	16.8	3.3	1.5	0.0
-12.5°	137.9	93.0	49.6	17.3	3.6	1.5	0.0
-15°	137.3	92.9	49.9	17.7	3.9	1.6	0.0
-17.5°	136.3	92.3	49.8	18.0	4.1	1.6	0.0
-20°	134.8	91.4	49.4	18.2	4.4	1.7	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	132.5	90.0	48.7	18.2	4.6	1.7	0.0
-25°	129.8	87.8	47.7	18.2	4.7	1.7	0.0
-27.5°	126.5	85.1	46.3	17.9	4.9	1.8	0.0
-30°	122.7	82.0	44.6	17.6	5.0	1.8	0.0
-32.5°	118.3	78.6	42.5	17.0	5.1	1.8	0.0
-35°	113.7	74.8	40.3	16.4	5.2	1.8	0.0
-37.5°	108.6	71.0	37.8	15.5	5.2	1.8	0.0
-40°	103.2	67.5	35.1	14.6	5.2	1.8	0.0
-42.5°	97.4	63.8	33.0	13.5	5.2	1.7	0.0
-45°	91.2	59.9	31.6	12.5	5.1	1.7	0.0
-47.5°	84.7	55.8	30.0	11.3	5.1	1.7	0.0
-50°	79.3	51.4	28.1	10.9	4.9	1.6	0.0
-52.5°	73.8	46.8	26.0	10.6	4.8	1.6	0.0
-55°	68.2	43.3	23.6	10.3	4.6	1.5	0.0
-57.5°	62.3	39.8	21.0	9.9	4.4	1.4	0.0
-60°	56.3	35.9	18.3	9.3	4.1	1.3	0.0
-62.5°	50.9	31.8	17.0	8.7	3.9	1.3	0.0
-65°	45.1	27.4	15.5	7.9	3.6	1.2	0.0
-67.5°	38.9	23.7	13.9	7.1	3.3	1.1	0.0
-70°	32.3	20.7	12.1	6.2	3.0	1.0	0.0
-72.5°	27.4	17.5	10.1	5.4	2.7	0.8	0.0
-75°	22.4	14.2	8.1	4.7	2.3	0.7	0.0
-77.5°	17.2	10.7	6.7	4.0	2.0	0.6	0.0
-80°	11.7	8.1	5.4	3.2	1.6	0.5	0.0
-82.5°	8.6	6.1	4.1	2.4	1.2	0.4	0.0
-85°	5.8	4.1	2.7	1.6	0.8	0.3	0.0
-87.5°	2.9	2.1	1.4	0.8	0.4	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)