

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: P645333 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1D-727-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645333 (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-SA1D-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

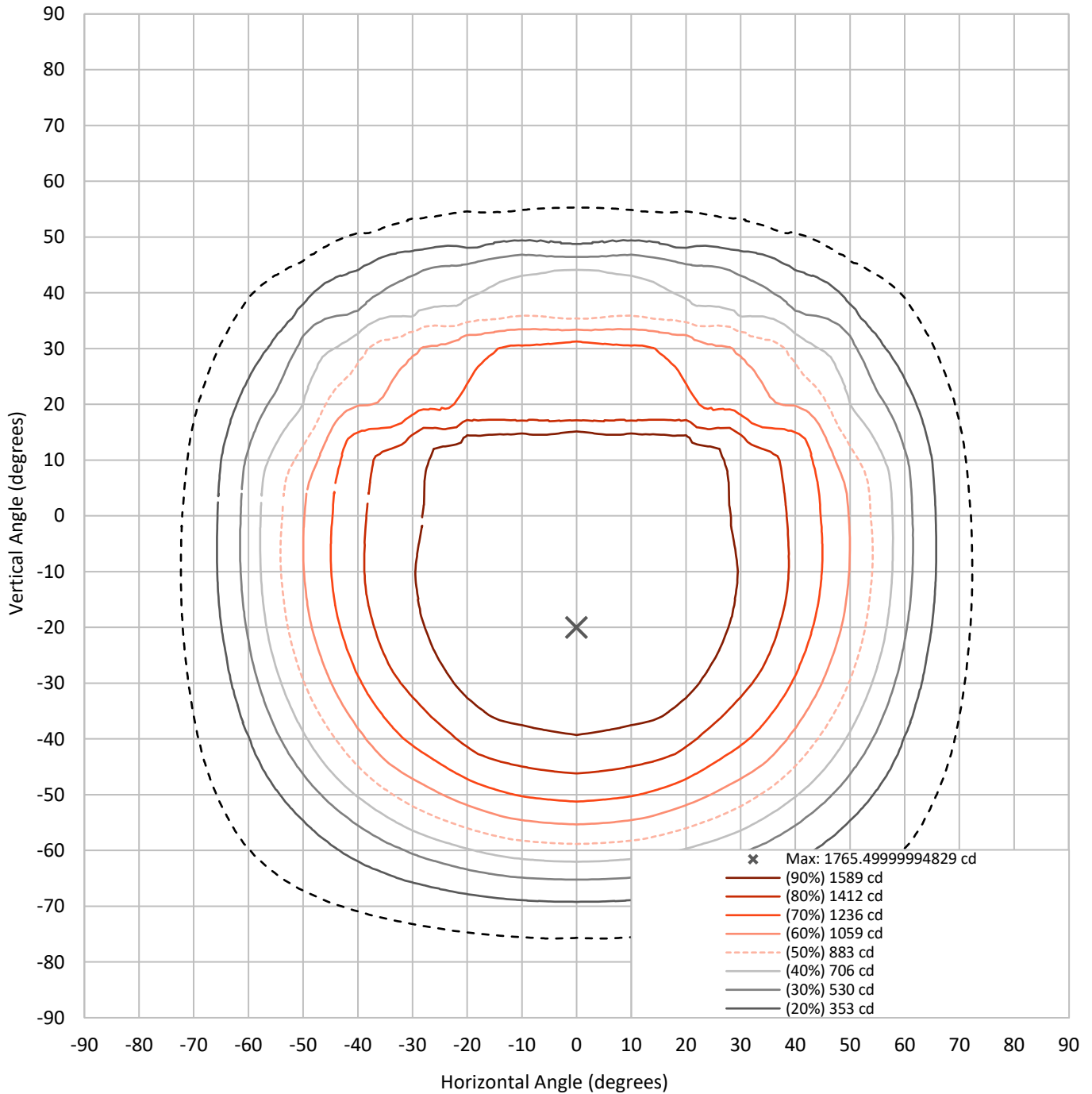
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	4139.7 lumens	Max Intensity:	1765.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	72.2 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	3236.2 lumens	Field Lumens:	4057.5 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	57.3		
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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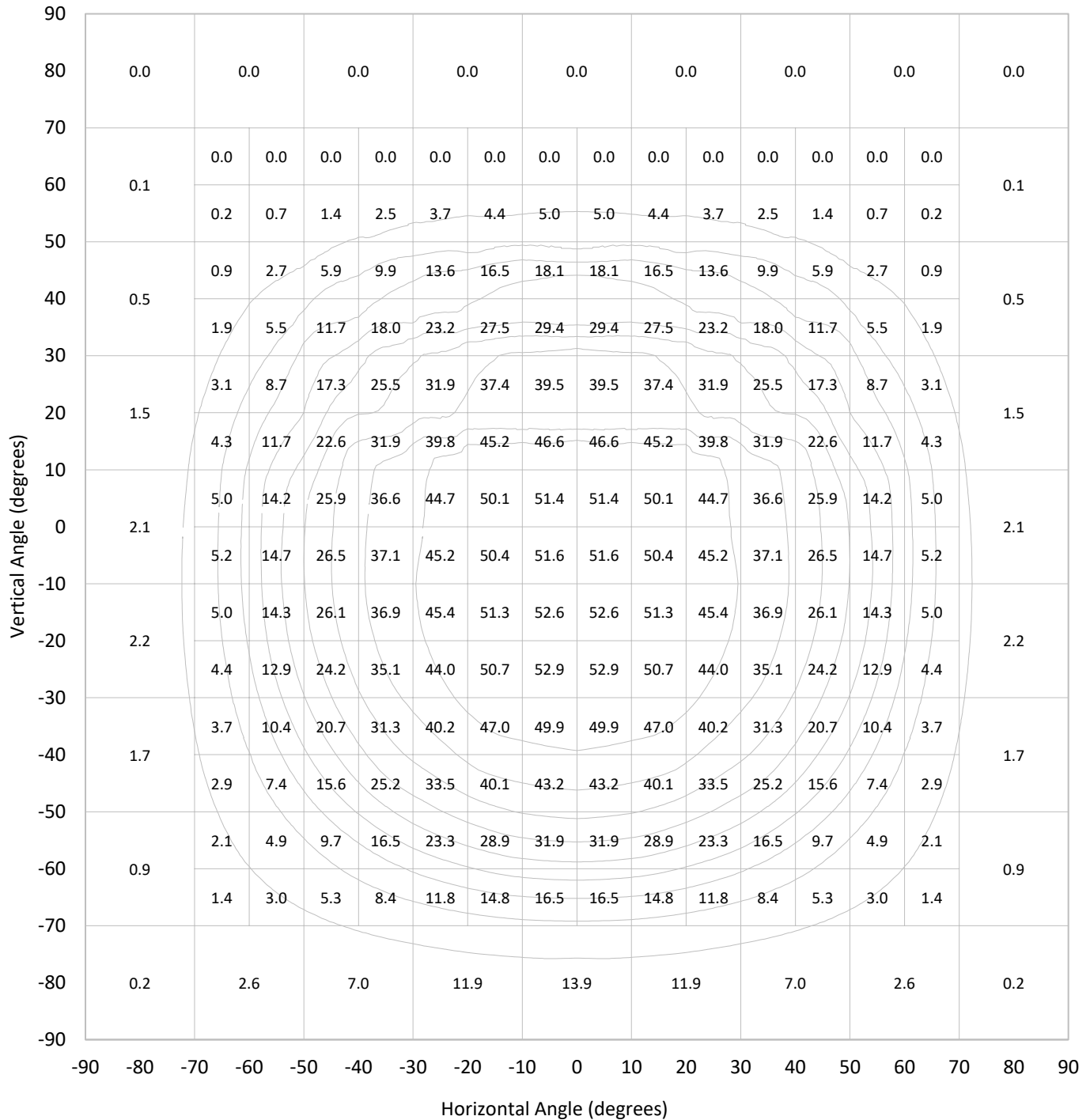
Iso-Candela Plot





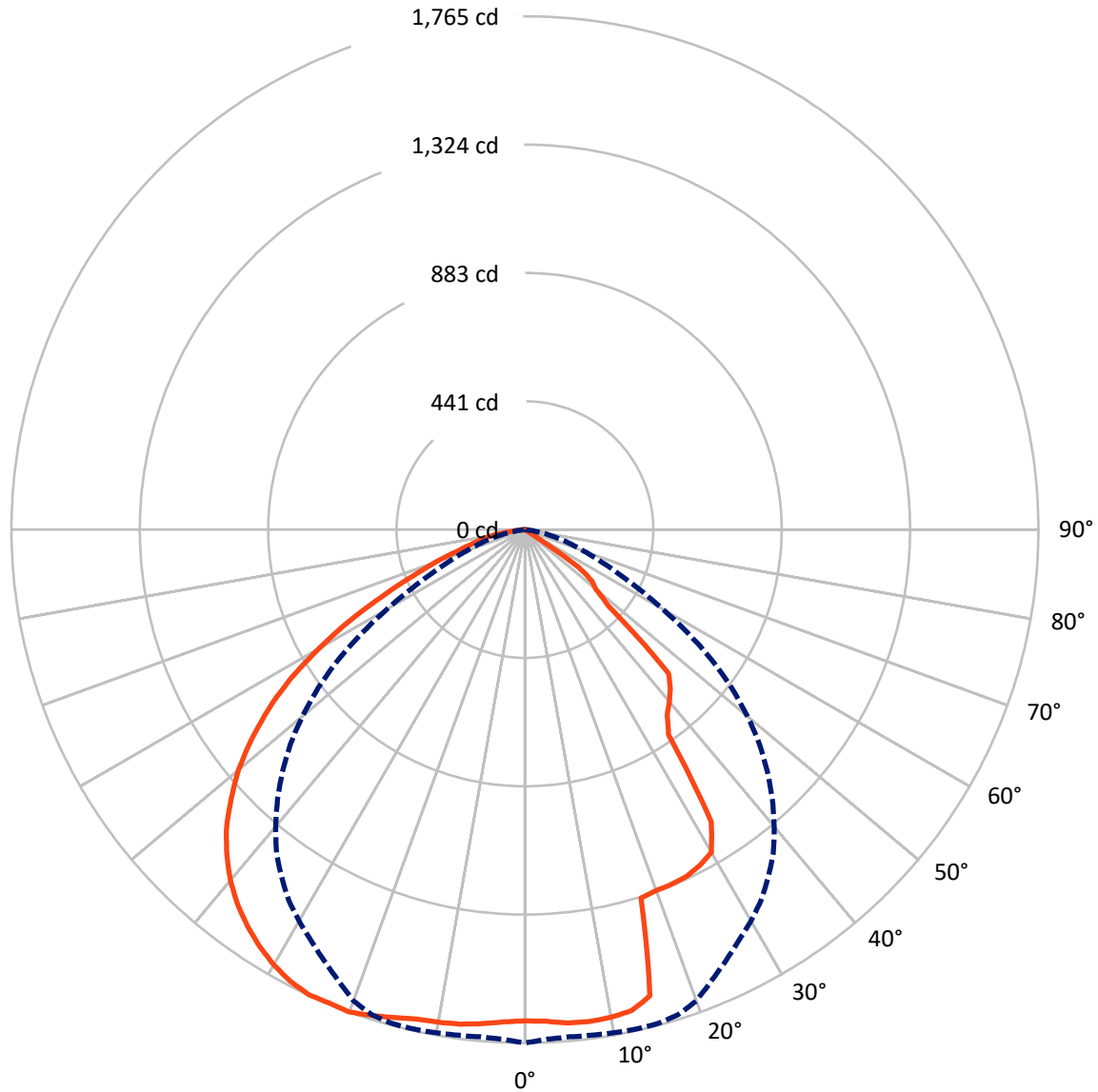
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Lumen Table



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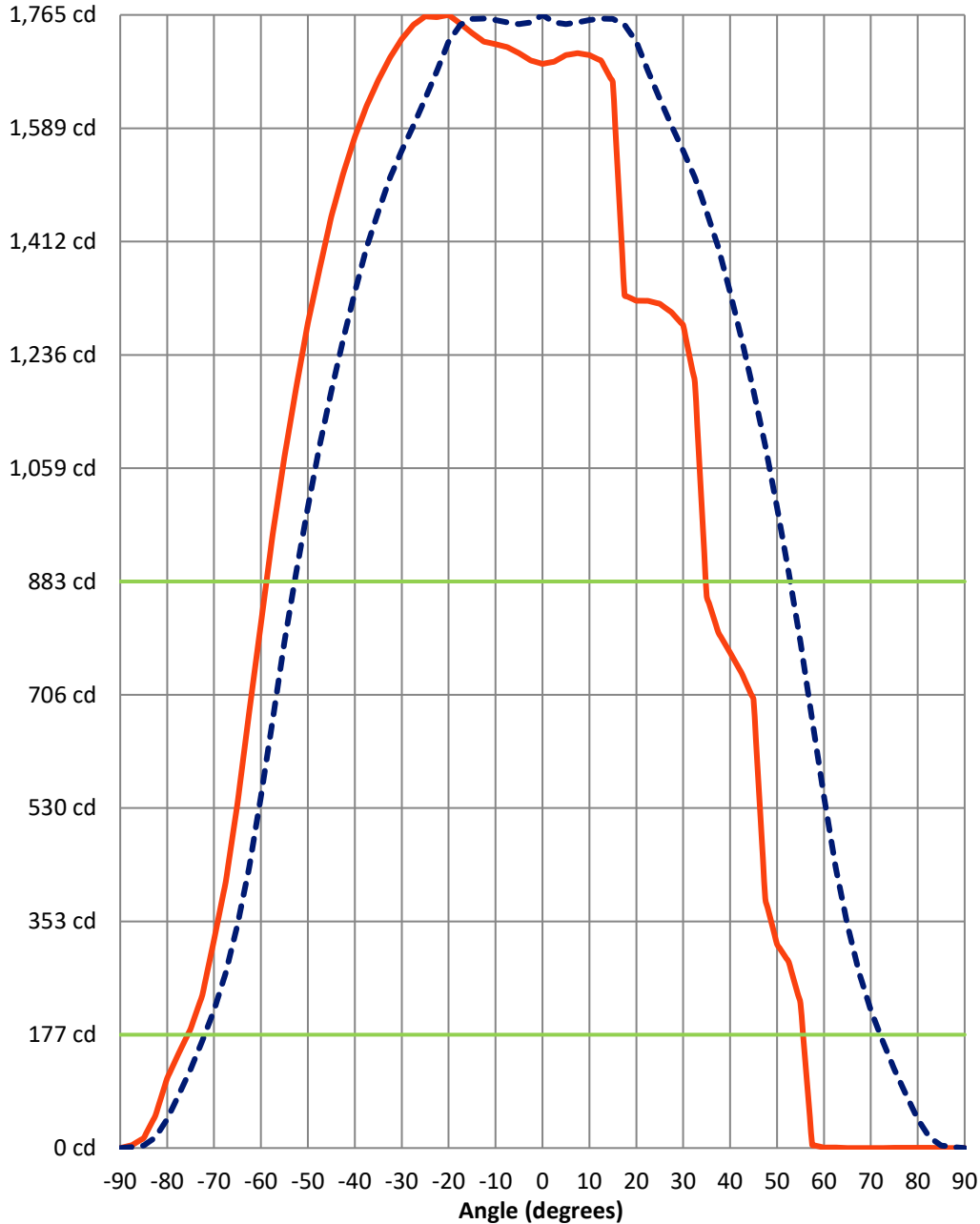
Luminous Intensity Polar Plot



— 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: 3236.2
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 4057.5
 Efficiency: 98.0%

Spill:
 Lumens: 82.2
 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	0.2	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	0.8	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	0.9	1.0	1.0	0.8	1.0	1.2	1.5
62.5°	0.0	0.4	0.8	0.9	1.0	1.3	1.2	1.1	1.4	2.1	3.3
60°	0.0	0.5	0.8	0.9	1.0	1.5	1.4	1.5	1.9	5.3	5.7
57.5°	0.0	0.5	0.9	1.0	1.3	1.8	2.6	2.0	5.2	8.9	10.3
55°	0.0	0.6	0.9	1.0	1.6	2.1	4.1	3.3	9.5	13.7	16.7
52.5°	0.0	0.6	0.9	1.0	1.9	2.7	5.9	8.3	14.3	21.5	24.3
50°	0.0	0.6	1.0	1.1	2.3	4.7	8.0	14.0	20.4	30.2	37.9
47.5°	0.0	0.7	1.0	1.2	2.6	6.8	10.7	19.9	29.4	39.8	51.8
45°	0.0	0.7	1.1	1.4	3.0	9.0	16.1	26.1	39.5	51.9	65.4
42.5°	0.0	0.7	1.1	1.7	3.4	11.4	21.7	34.1	49.7	63.6	81.0
40°	0.0	0.8	1.2	2.1	4.5	13.9	27.4	43.1	60.3	75.2	97.7
37.5°	0.0	0.8	1.2	2.5	6.5	16.5	33.2	52.1	71.4	89.0	115.1
35°	0.0	0.8	1.3	3.0	8.5	20.5	39.1	61.1	82.6	106.1	135.7
32.5°	0.0	0.9	1.3	3.6	10.5	25.2	45.5	70.1	94.0	123.2	160.8
30°	0.0	0.9	1.4	4.2	12.6	29.8	52.8	79.2	105.5	140.3	184.8
27.5°	0.0	0.9	1.4	4.8	15.1	34.3	59.9	88.7	118.1	157.4	207.7
25°	0.0	0.9	1.5	5.5	17.7	38.8	66.9	98.0	132.3	176.1	229.6
22.5°	0.0	1.0	1.5	6.2	20.2	43.4	73.7	107.3	146.3	194.8	251.8
20°	0.0	1.0	1.5	6.9	22.8	48.3	80.3	116.3	159.9	212.5	273.5
17.5°	0.0	1.0	1.6	7.6	25.3	53.0	86.8	125.0	173.0	229.0	294.4
15°	0.0	1.0	1.6	8.4	27.8	57.6	93.0	133.2	185.6	244.5	314.6
12.5°	0.0	1.0	1.7	9.1	30.1	61.9	98.9	140.4	195.7	258.8	333.7
10°	0.0	1.1	1.7	9.8	32.4	66.1	104.3	147.1	203.3	267.4	349.3
7.5°	0.0	1.1	1.8	10.5	34.5	69.9	109.2	153.1	209.7	274.0	358.5
5°	0.0	1.1	1.8	11.2	36.5	73.4	113.8	158.6	215.0	279.4	365.9
2.5°	0.0	1.1	1.9	11.8	38.4	76.6	117.8	163.5	219.4	283.6	371.5
0°	0.0	1.1	1.9	12.4	40.0	79.5	121.4	167.7	222.8	286.5	375.4
-2.5°	0.0	1.2	2.2	13.2	41.5	81.3	123.2	170.2	224.0	290.2	377.9
-5°	0.0	1.2	2.5	14.0	42.8	82.7	124.5	172.0	224.4	292.6	378.7
-7.5°	0.0	1.3	2.8	14.6	43.8	83.8	125.3	173.1	224.1	293.6	377.9
-10°	0.0	1.3	3.0	15.2	44.6	84.4	125.6	173.5	223.1	293.0	375.5
-12.5°	0.0	1.4	3.3	15.7	45.2	84.7	125.6	173.2	221.6	290.6	371.4
-15°	0.0	1.4	3.5	16.1	45.4	84.6	125.1	172.2	219.8	286.0	365.4
-17.5°	0.0	1.5	3.8	16.4	45.4	84.1	124.1	170.1	217.7	280.2	357.6
-20°	0.0	1.5	4.0	16.6	45.1	83.2	122.7	167.2	214.6	273.4	348.0

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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	1.5	4.2	16.6	44.4	81.9	120.7	163.6	210.7	265.5	336.6
-25°	0.0	1.6	4.3	16.6	43.5	79.9	118.1	159.5	205.8	256.6	323.4
-27.5°	0.0	1.6	4.5	16.4	42.2	77.5	115.1	154.8	199.9	247.9	311.7
-30°	0.0	1.6	4.6	16.0	40.6	74.7	111.7	149.6	193.5	240.6	299.3
-32.5°	0.0	1.6	4.7	15.6	38.8	71.6	107.7	144.7	186.8	232.2	285.9
-35°	0.0	1.6	4.7	14.9	36.7	68.1	103.5	139.6	179.5	222.6	271.8
-37.5°	0.0	1.6	4.8	14.2	34.5	64.7	98.9	134.0	171.6	212.0	257.8
-40°	0.0	1.6	4.8	13.3	32.0	61.5	94.0	127.8	163.3	201.9	244.0
-42.5°	0.0	1.6	4.7	12.4	30.2	58.2	88.7	121.1	155.3	191.2	229.1
-45°	0.0	1.5	4.7	11.4	28.9	54.6	83.1	114.2	147.0	179.9	213.7
-47.5°	0.0	1.5	4.6	10.3	27.4	50.8	77.2	107.3	138.2	168.0	200.3
-50°	0.0	1.4	4.5	9.9	25.6	46.8	72.2	100.1	128.4	157.0	186.4
-52.5°	0.0	1.4	4.3	9.7	23.7	42.6	67.3	92.5	119.1	145.8	172.0
-55°	0.0	1.3	4.1	9.4	21.5	39.5	62.1	84.8	109.7	134.2	159.3
-57.5°	0.0	1.3	3.9	9.0	19.1	36.3	56.8	78.7	100.0	123.1	146.3
-60°	0.0	1.2	3.7	8.5	16.6	32.8	51.3	72.0	90.3	111.9	133.4
-62.5°	0.0	1.1	3.5	7.9	15.5	29.0	46.4	64.6	81.3	100.4	120.6
-65°	0.0	1.0	3.2	7.2	14.1	24.9	41.1	57.0	71.8	88.8	107.6
-67.5°	0.0	1.0	3.0	6.4	12.6	21.5	35.4	49.4	61.8	76.8	93.6
-70°	0.0	0.9	2.7	5.5	11.0	18.9	29.5	41.7	52.8	64.2	78.6
-72.5°	0.0	0.8	2.4	4.9	9.2	16.0	24.9	33.8	43.7	53.7	63.9
-75°	0.0	0.7	2.1	4.2	7.3	12.9	20.4	27.2	34.4	43.1	52.0
-77.5°	0.0	0.6	1.7	3.6	6.0	9.7	15.6	21.1	26.7	32.9	39.9
-80°	0.0	0.4	1.4	2.9	4.9	7.4	10.7	14.8	19.2	23.9	29.0
-82.5°	0.0	0.3	1.1	2.2	3.7	5.6	7.8	9.5	11.5	14.8	18.4
-85°	0.0	0.2	0.7	1.5	2.5	3.7	5.3	6.3	7.5	8.6	9.9
-87.5°	0.0	0.1	0.4	0.7	1.2	1.9	2.6	3.2	3.7	4.3	4.9
-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-SA1D-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	0.5	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	1.4	1.8	3.2	2.4	0.7	1.3	1.5	1.1	0.9	1.0
60°	3.7	2.5	7.4	10.7	6.7	2.4	3.0	9.9	8.5	1.6	5.3
57.5°	7.8	10.6	19.6	19.9	13.8	9.5	27.6	31.9	24.2	14.1	21.6
55°	17.0	26.2	32.4	30.0	32.8	49.7	59.0	53.0	44.6	68.6	87.7
52.5°	33.3	42.6	44.7	51.4	73.5	84.5	81.0	86.6	112.3	139.4	145.3
50°	49.1	56.8	62.8	90.7	108.1	109.1	117.2	142.6	176.9	193.5	189.5
47.5°	64.5	72.4	100.1	127.0	134.8	145.4	165.5	214.7	251.0	251.7	247.6
45°	80.7	101.8	137.2	154.7	167.3	188.0	236.6	304.3	307.9	317.7	378.3
42.5°	98.0	135.0	165.9	184.1	204.5	243.0	307.9	352.3	367.6	410.8	459.5
40°	126.1	167.1	194.1	217.4	243.6	299.8	370.8	412.5	424.9	462.3	498.9
37.5°	154.6	193.9	224.1	252.2	288.6	364.4	446.7	481.0	487.3	494.1	575.3
35°	182.0	221.4	257.6	294.3	338.9	448.1	520.0	552.3	551.3	597.3	682.3
32.5°	207.6	249.5	292.2	341.4	415.0	526.8	598.7	618.0	647.4	714.4	830.4
30°	233.2	280.8	329.8	388.4	481.7	578.6	660.7	691.8	742.1	818.6	903.0
27.5°	259.6	312.9	372.2	440.9	534.3	623.5	693.6	767.9	816.7	885.3	945.4
25°	285.9	346.9	414.0	486.7	572.0	655.0	727.5	813.4	865.8	921.1	977.1
22.5°	313.5	381.4	457.2	523.0	603.7	681.9	768.2	861.3	929.5	964.6	1002.2
20°	342.3	418.7	499.6	572.5	635.0	706.8	809.0	922.2	1010.2	1049.7	1054.9
17.5°	370.6	454.9	541.8	620.8	688.2	752.1	851.8	995.1	1104.6	1141.3	1157.6
15°	398.3	489.7	583.8	667.7	741.8	819.9	926.4	1072.1	1197.3	1237.9	1263.6
12.5°	425.1	522.8	625.1	713.1	795.3	883.0	994.1	1127.5	1241.7	1320.4	1367.5
10°	450.5	554.1	665.2	756.7	848.3	941.5	1050.2	1168.7	1261.7	1337.6	1404.5
7.5°	463.4	574.6	699.7	798.2	900.0	995.6	1096.1	1197.8	1276.2	1350.5	1415.3
5°	472.1	583.0	710.4	812.6	927.4	1031.7	1129.2	1216.9	1285.6	1359.3	1422.6
2.5°	478.3	588.4	717.7	820.5	937.7	1042.8	1138.8	1223.3	1293.3	1365.6	1430.3
0°	482.1	591.0	721.4	825.4	944.2	1050.1	1144.3	1225.7	1298.5	1368.6	1438.3
-2.5°	484.2	598.9	723.9	837.9	950.4	1056.4	1152.1	1231.5	1307.6	1374.3	1444.2
-5°	484.0	603.6	723.2	846.4	953.4	1058.8	1155.9	1234.2	1312.5	1378.5	1446.6
-7.5°	481.3	604.7	720.0	849.0	953.5	1058.0	1154.3	1235.4	1312.4	1382.4	1446.8
-10°	476.6	600.4	717.0	842.2	949.9	1053.7	1149.1	1232.7	1309.3	1381.7	1445.5
-12.5°	471.1	591.6	710.7	832.4	942.4	1045.7	1141.1	1225.6	1303.6	1375.8	1442.7
-15°	462.8	579.9	700.3	819.9	931.1	1034.1	1130.9	1214.1	1294.8	1365.4	1434.1
-17.5°	451.7	565.4	685.8	805.1	915.9	1018.9	1117.7	1198.9	1279.2	1352.2	1418.5
-20°	437.6	548.2	666.9	788.3	896.5	998.4	1094.2	1179.2	1259.0	1333.2	1402.9

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	420.6	528.4	644.2	765.6	872.4	973.1	1067.8	1154.1	1236.8	1308.6	1382.9
-25°	403.6	507.5	619.1	734.3	844.3	944.6	1039.6	1123.7	1208.2	1282.9	1353.4
-27.5°	387.3	483.2	589.9	699.7	812.6	912.4	1006.5	1090.7	1172.7	1254.4	1322.3
-30°	369.1	455.1	558.0	662.8	772.8	874.5	969.3	1056.7	1134.7	1215.3	1288.2
-32.5°	348.9	425.4	524.2	625.1	728.8	832.7	926.6	1013.4	1094.6	1170.8	1247.4
-35°	329.2	401.3	488.4	584.5	682.1	784.0	878.0	964.0	1048.3	1123.8	1196.9
-37.5°	311.5	375.3	450.4	542.2	635.5	731.9	827.5	910.7	990.9	1074.0	1145.2
-40°	292.3	347.3	417.5	498.6	586.5	678.2	769.7	855.8	931.2	1013.3	1091.7
-42.5°	272.2	324.6	385.0	452.5	535.5	621.9	710.2	794.5	872.8	950.2	1027.9
-45°	254.6	300.5	351.9	413.6	481.2	562.5	646.1	730.0	805.2	879.0	955.7
-47.5°	235.9	276.3	323.8	373.1	431.8	499.8	578.4	655.9	732.7	803.0	870.9
-50°	217.2	254.5	293.6	337.9	386.4	441.5	506.8	578.8	649.0	721.1	788.4
-52.5°	201.1	231.5	266.9	303.9	345.3	390.9	443.3	502.4	566.3	627.5	694.6
-55°	184.5	211.8	240.4	273.0	307.5	345.9	388.8	438.6	487.3	543.9	598.7
-57.5°	169.3	192.3	216.7	243.6	273.6	304.4	341.9	380.5	424.8	468.7	512.1
-60°	154.9	173.8	194.4	217.2	241.3	268.7	296.7	329.9	365.5	400.6	437.4
-62.5°	140.5	156.3	173.1	192.0	213.1	233.8	257.7	283.3	309.5	339.3	368.3
-65°	125.6	138.4	152.7	168.4	185.1	202.8	221.2	240.1	262.4	284.2	305.3
-67.5°	109.8	120.8	132.4	144.7	158.8	172.6	186.4	202.4	218.9	235.0	251.7
-70°	92.3	102.7	112.3	122.3	132.8	143.6	155.4	167.2	178.8	190.8	204.3
-72.5°	74.6	84.1	92.5	99.9	108.5	117.6	126.2	134.4	143.2	152.3	161.4
-75°	59.5	65.8	73.3	80.2	87.0	93.4	99.1	106.1	113.4	120.0	125.5
-77.5°	46.4	52.1	57.3	61.9	67.4	73.7	79.3	84.0	88.7	93.7	99.0
-80°	33.7	38.5	43.2	47.5	50.6	54.2	58.5	63.3	67.5	71.0	74.1
-82.5°	21.8	25.2	28.7	32.3	33.7	34.7	35.7	37.4	40.0	42.5	45.0
-85°	10.9	11.9	14.0	16.2	17.0	17.5	17.8	18.0	18.9	19.7	20.5
-87.5°	5.4	5.9	6.4	6.9	6.7	6.3	5.9	5.3	5.2	5.1	4.9
-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):

	-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	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7
60°	5.9	3.5	2.0	2.4	2.1	1.4	1.8	2.1	2.1	2.0	1.7
57.5°	32.7	24.5	18.1	43.2	43.4	20.7	25.0	39.2	32.3	10.6	9.9
55°	91.1	109.0	143.4	136.3	138.5	159.3	174.0	154.0	151.0	160.9	185.8
52.5°	163.7	180.7	192.3	203.2	216.4	230.6	245.2	254.5	263.2	272.5	278.0
50°	209.1	233.1	249.6	243.5	277.7	291.6	277.5	290.2	305.6	309.9	311.9
47.5°	308.8	343.9	350.9	373.6	394.0	393.6	376.3	377.3	423.3	463.9	483.9
45°	443.7	444.9	467.0	507.1	535.7	526.7	550.9	605.8	624.1	641.7	656.2
42.5°	496.3	518.1	553.4	588.8	610.2	628.7	646.5	666.7	690.5	709.7	725.1
40°	547.2	564.7	600.9	629.5	647.1	664.4	685.2	707.6	729.3	746.3	757.8
37.5°	625.5	639.2	648.0	674.4	707.9	692.5	732.0	760.4	773.3	790.5	792.0
35°	744.1	735.1	723.3	828.7	835.0	799.4	836.4	880.4	857.2	905.4	931.4
32.5°	849.2	847.9	939.9	995.3	963.4	989.4	1074.7	1070.9	1127.7	1154.0	1146.5
30°	948.3	982.0	1035.2	1076.5	1082.0	1123.0	1160.9	1194.0	1228.4	1259.1	1261.2
27.5°	998.5	1042.6	1078.7	1102.6	1129.2	1163.7	1198.1	1235.5	1264.6	1283.9	1288.6
25°	1028.9	1073.9	1101.3	1127.0	1156.4	1186.2	1224.7	1265.3	1288.7	1300.6	1304.4
22.5°	1055.7	1096.2	1125.6	1146.4	1178.1	1210.1	1246.0	1280.4	1305.9	1311.1	1313.0
20°	1081.5	1120.4	1169.5	1200.2	1198.6	1234.7	1269.3	1296.7	1317.9	1317.8	1318.3
17.5°	1156.2	1170.0	1259.1	1326.7	1293.3	1275.6	1370.7	1372.5	1378.1	1366.9	1342.5
15°	1266.7	1291.9	1401.4	1474.7	1451.6	1450.4	1587.7	1553.6	1582.9	1575.3	1608.3
12.5°	1383.8	1413.7	1495.5	1567.5	1601.8	1610.2	1656.0	1699.0	1707.8	1704.3	1697.9
10°	1463.5	1506.1	1539.0	1582.7	1617.3	1652.6	1679.1	1710.0	1720.1	1714.3	1706.0
7.5°	1473.9	1516.1	1554.6	1592.9	1625.9	1654.4	1681.9	1707.0	1717.3	1713.9	1708.2
5°	1480.5	1518.7	1556.1	1594.9	1626.5	1652.8	1680.3	1705.8	1711.8	1707.7	1702.2
2.5°	1484.6	1519.9	1556.0	1594.7	1623.3	1648.4	1676.2	1703.3	1703.3	1701.5	1698.3
0°	1486.6	1522.0	1563.8	1598.9	1630.9	1654.7	1682.2	1708.6	1706.7	1701.8	1696.1
-2.5°	1490.8	1526.7	1569.4	1598.4	1634.5	1656.3	1684.7	1707.6	1706.7	1704.3	1701.5
-5°	1494.6	1534.9	1574.9	1605.4	1641.6	1670.1	1698.3	1716.2	1717.2	1713.8	1709.1
-7.5°	1496.9	1541.6	1579.7	1610.4	1645.5	1678.6	1707.3	1726.0	1726.5	1722.0	1716.3
-10°	1496.1	1543.3	1582.6	1614.3	1650.2	1682.9	1712.9	1736.6	1735.9	1731.7	1726.8
-12.5°	1493.3	1540.4	1580.7	1612.6	1653.3	1687.0	1720.7	1744.3	1745.6	1742.5	1737.3
-15°	1487.1	1535.8	1574.9	1609.7	1649.7	1689.0	1723.6	1749.7	1754.4	1751.8	1747.7
-17.5°	1474.8	1526.2	1567.7	1605.2	1643.6	1685.5	1724.9	1753.4	1759.8	1758.7	1755.3
-20°	1458.6	1511.7	1553.9	1593.1	1634.9	1678.1	1724.0	1750.0	1759.2	1759.8	1757.5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1440.5	1492.5	1537.3	1575.8	1621.1	1664.8	1706.3	1736.9	1752.4	1755.3	1755.5
-25°	1418.8	1472.2	1516.7	1557.8	1599.9	1645.0	1687.0	1721.1	1736.8	1744.3	1746.7
-27.5°	1388.2	1443.3	1487.1	1530.5	1573.4	1620.0	1664.1	1701.2	1713.9	1724.3	1728.4
-30°	1352.3	1406.8	1451.4	1491.1	1540.2	1587.7	1633.2	1665.5	1684.8	1696.6	1703.1
-32.5°	1310.9	1366.0	1412.8	1454.2	1500.9	1548.4	1591.2	1625.3	1651.9	1665.5	1672.5
-35°	1266.1	1322.4	1371.4	1415.0	1458.9	1504.2	1548.6	1584.3	1614.6	1626.3	1634.9
-37.5°	1212.1	1274.1	1324.4	1369.4	1411.1	1453.7	1499.9	1540.7	1570.1	1581.5	1590.6
-40°	1156.7	1216.6	1267.3	1315.3	1356.6	1403.0	1447.6	1490.3	1515.9	1529.1	1539.4
-42.5°	1098.2	1152.3	1200.5	1247.2	1293.1	1341.0	1385.4	1429.9	1451.9	1467.9	1480.6
-45°	1030.7	1081.1	1127.9	1171.5	1218.8	1265.9	1310.4	1349.7	1376.0	1396.8	1413.0
-47.5°	940.6	1002.0	1049.0	1090.5	1137.5	1182.9	1226.0	1262.9	1291.7	1316.1	1334.9
-50°	849.2	908.1	961.1	1007.8	1051.3	1093.3	1134.4	1170.5	1201.0	1227.3	1246.3
-52.5°	759.1	814.3	866.9	915.1	957.0	996.6	1034.1	1070.5	1102.7	1130.8	1149.2
-55°	657.4	714.6	766.6	811.5	853.4	892.5	929.6	964.1	995.7	1024.5	1042.1
-57.5°	562.0	612.1	660.5	702.0	741.5	778.8	813.9	846.9	877.4	904.4	921.4
-60°	474.2	510.8	552.5	590.7	625.7	657.4	690.3	721.0	749.0	772.8	788.6
-62.5°	396.7	427.0	457.1	486.2	514.5	543.1	570.5	596.1	619.5	638.9	652.8
-65°	327.6	351.9	373.7	394.3	414.0	436.5	457.4	477.0	495.2	510.1	520.7
-67.5°	269.7	286.9	301.9	316.1	331.6	347.5	362.4	375.3	386.4	395.3	402.3
-70°	217.5	230.1	241.5	252.7	264.0	274.4	284.2	293.8	302.9	310.3	315.8
-72.5°	170.3	178.9	186.7	195.4	203.5	211.4	218.2	223.7	228.0	232.1	235.8
-75°	129.9	136.3	145.1	152.4	158.5	163.9	168.8	173.2	177.1	180.5	183.5
-77.5°	104.4	109.9	115.5	120.9	126.1	129.9	133.5	137.1	140.7	143.7	146.3
-80°	77.4	81.5	85.8	90.1	94.4	96.5	98.2	99.8	101.2	103.0	104.7
-82.5°	47.3	49.6	52.0	54.4	56.8	57.4	57.7	57.6	57.3	56.6	55.6
-85°	21.1	21.2	21.1	20.9	20.5	19.6	18.6	17.5	16.2	15.9	15.7
-87.5°	4.7	4.6	4.4	4.3	4.1	4.1	4.0	4.0	4.0	4.1	4.2
-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):

	-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	0.7
60°	1.4	0.9	0.8	0.8	0.8	0.9	1.4	1.7	2.0	2.1	2.1
57.5°	8.4	6.3	5.3	4.9	5.3	6.3	8.4	9.9	10.6	32.3	39.2
55°	203.7	214.1	221.8	225.4	221.8	214.1	203.7	185.8	160.9	151.0	154.0
52.5°	282.8	287.3	289.9	289.8	289.9	287.3	282.8	278.0	272.5	263.2	254.5
50°	315.2	317.4	318.2	317.7	318.2	317.4	315.2	311.9	309.9	305.6	290.2
47.5°	465.6	425.3	395.7	388.6	395.7	425.3	465.6	483.9	463.9	423.3	377.3
45°	663.2	678.5	693.7	698.4	693.7	678.5	663.2	656.2	641.7	624.1	605.8
42.5°	731.6	736.5	739.4	739.5	739.4	736.5	731.6	725.1	709.7	690.5	666.7
40°	764.3	769.0	771.7	771.9	771.7	769.0	764.3	757.8	746.3	729.3	707.6
37.5°	793.9	797.9	800.5	803.2	800.5	797.9	793.9	792.0	790.5	773.3	760.4
35°	927.9	897.5	853.8	860.5	853.8	897.5	927.9	931.4	905.4	857.2	880.4
32.5°	1158.3	1171.0	1179.0	1192.6	1179.0	1171.0	1158.3	1146.5	1154.0	1127.7	1070.9
30°	1264.6	1268.8	1275.2	1281.9	1275.2	1268.8	1264.6	1261.2	1259.1	1228.4	1194.0
27.5°	1291.1	1295.5	1299.4	1302.2	1299.4	1295.5	1291.1	1288.6	1283.9	1264.6	1235.5
25°	1305.0	1307.7	1311.8	1315.4	1311.8	1307.7	1305.0	1304.4	1300.6	1288.7	1265.3
22.5°	1311.9	1312.1	1315.4	1320.0	1315.4	1312.1	1311.9	1313.0	1311.1	1305.9	1280.4
20°	1316.6	1314.0	1317.3	1320.3	1317.3	1314.0	1316.6	1318.3	1317.8	1317.9	1296.7
17.5°	1376.9	1342.5	1328.4	1328.6	1328.4	1342.5	1376.9	1342.5	1366.9	1378.1	1372.5
15°	1571.2	1584.1	1633.6	1660.3	1633.6	1584.1	1571.2	1608.3	1575.3	1582.9	1553.6
12.5°	1696.7	1692.1	1686.2	1694.2	1686.2	1692.1	1696.7	1697.9	1704.3	1707.8	1699.0
10°	1702.5	1702.0	1691.5	1702.9	1691.5	1702.0	1702.5	1706.0	1714.3	1720.1	1710.0
7.5°	1698.9	1699.2	1694.8	1705.9	1694.8	1699.2	1698.9	1708.2	1713.9	1717.3	1707.0
5°	1701.3	1693.6	1696.6	1702.9	1696.6	1693.6	1701.3	1702.2	1707.7	1711.8	1705.8
2.5°	1694.7	1693.9	1688.3	1692.7	1688.3	1693.9	1694.7	1698.3	1701.5	1703.3	1703.3
0°	1689.7	1685.6	1685.6	1689.3	1685.6	1685.6	1689.7	1696.1	1701.8	1706.7	1708.6
-2.5°	1698.6	1697.7	1697.2	1694.6	1697.2	1697.7	1698.6	1701.5	1704.3	1706.7	1707.6
-5°	1706.0	1703.7	1697.5	1705.9	1697.5	1703.7	1706.0	1709.1	1713.8	1717.2	1716.2
-7.5°	1713.8	1708.1	1702.3	1715.3	1702.3	1708.1	1713.8	1716.3	1722.0	1726.5	1726.0
-10°	1721.0	1712.7	1707.0	1719.9	1707.0	1712.7	1721.0	1726.8	1731.7	1735.9	1736.6
-12.5°	1730.6	1720.9	1717.1	1724.0	1717.1	1720.9	1730.6	1737.3	1742.5	1745.6	1744.3
-15°	1740.7	1734.0	1733.1	1737.2	1733.1	1734.0	1740.7	1747.7	1751.8	1754.4	1749.7
-17.5°	1749.6	1744.9	1747.2	1751.9	1747.2	1744.9	1749.6	1755.3	1758.7	1759.8	1753.4
-20°	1753.9	1751.3	1753.8	1765.5	1753.8	1751.3	1753.9	1757.5	1759.8	1759.2	1750.0



REPORT NUMBER: P645333 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	1753.5	1753.7	1758.3	1762.1	1758.3	1753.7	1753.5	1755.5	1755.3	1752.4	1736.9
-25°	1746.8	1750.4	1755.6	1763.2	1755.6	1750.4	1746.8	1746.7	1744.3	1736.8	1721.1
-27.5°	1730.7	1736.5	1742.0	1750.0	1742.0	1736.5	1730.7	1728.4	1724.3	1713.9	1701.2
-30°	1707.4	1714.3	1719.2	1727.8	1719.2	1714.3	1707.4	1703.1	1696.6	1684.8	1665.5
-32.5°	1679.0	1686.9	1692.7	1698.8	1692.7	1686.9	1679.0	1672.5	1665.5	1651.9	1625.3
-35°	1643.5	1651.9	1658.1	1663.7	1658.1	1651.9	1643.5	1634.9	1626.3	1614.6	1584.3
-37.5°	1600.8	1609.9	1617.0	1623.4	1617.0	1609.9	1600.8	1590.6	1581.5	1570.1	1540.7
-40°	1551.1	1560.5	1568.1	1575.1	1568.1	1560.5	1551.1	1539.4	1529.1	1515.9	1490.3
-42.5°	1493.0	1502.5	1510.3	1517.5	1510.3	1502.5	1493.0	1480.6	1467.9	1451.9	1429.9
-45°	1426.0	1435.7	1443.9	1451.5	1443.9	1435.7	1426.0	1413.0	1396.8	1376.0	1349.7
-47.5°	1348.7	1359.2	1366.2	1369.7	1366.2	1359.2	1348.7	1334.9	1316.1	1291.7	1262.9
-50°	1260.1	1270.6	1279.0	1285.3	1279.0	1270.6	1260.1	1246.3	1227.3	1201.0	1170.5
-52.5°	1162.7	1172.6	1179.9	1184.3	1179.9	1172.6	1162.7	1149.2	1130.8	1102.7	1070.5
-55°	1056.0	1066.3	1073.2	1076.5	1073.2	1066.3	1056.0	1042.1	1024.5	995.7	964.1
-57.5°	934.9	944.8	952.1	956.2	952.1	944.8	934.9	921.4	904.4	877.4	846.9
-60°	801.0	809.8	815.4	817.5	815.4	809.8	801.0	788.6	772.8	749.0	721.0
-62.5°	664.0	672.3	677.5	679.6	677.5	672.3	664.0	652.8	638.9	619.5	596.1
-65°	528.6	533.8	536.7	537.1	536.7	533.8	528.6	520.7	510.1	495.2	477.0
-67.5°	407.8	411.8	414.2	415.0	414.2	411.8	407.8	402.3	395.3	386.4	375.3
-70°	320.0	322.7	324.3	324.5	324.3	322.7	320.0	315.8	310.3	302.9	293.8
-72.5°	238.6	240.5	239.8	238.2	239.8	240.5	238.6	235.8	232.1	228.0	223.7
-75°	186.1	188.2	187.3	185.8	187.3	188.2	186.1	183.5	180.5	177.1	173.2
-77.5°	148.7	150.6	149.6	148.1	149.6	150.6	148.7	146.3	143.7	140.7	137.1
-80°	106.2	107.3	108.2	108.6	108.2	107.3	106.2	104.7	103.0	101.2	99.8
-82.5°	54.3	52.7	51.7	50.5	51.7	52.7	54.3	55.6	56.6	57.3	57.6
-85°	15.4	15.0	15.3	15.5	15.3	15.0	15.4	15.7	15.9	16.2	17.5
-87.5°	4.4	4.5	4.5	4.5	4.5	4.5	4.4	4.2	4.1	4.0	4.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645333 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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	0.8	0.8	0.9	1.1	1.0	1.0	0.9	1.1	1.5
60°	1.8	1.4	2.1	2.4	2.0	3.5	5.9	5.3	1.6	8.5	9.9
57.5°	25.0	20.7	43.4	43.2	18.1	24.5	32.7	21.6	14.1	24.2	31.9
55°	174.0	159.3	138.5	136.3	143.4	109.0	91.1	87.7	68.6	44.6	53.0
52.5°	245.2	230.6	216.4	203.2	192.3	180.7	163.7	145.3	139.4	112.3	86.6
50°	277.5	291.6	277.7	243.5	249.6	233.1	209.1	189.5	193.5	176.9	142.6
47.5°	376.3	393.6	394.0	373.6	350.9	343.9	308.8	247.6	251.7	251.0	214.7
45°	550.9	526.7	535.7	507.1	467.0	444.9	443.7	378.3	317.7	307.9	304.3
42.5°	646.5	628.7	610.2	588.8	553.4	518.1	496.3	459.5	410.8	367.6	352.3
40°	685.2	664.4	647.1	629.5	600.9	564.7	547.2	498.9	462.3	424.9	412.5
37.5°	732.0	692.5	707.9	674.4	648.0	639.2	625.5	575.3	494.1	487.3	481.0
35°	836.4	799.4	835.0	828.7	723.3	735.1	744.1	682.3	597.3	551.3	552.3
32.5°	1074.7	989.4	963.4	995.3	939.9	847.9	849.2	830.4	714.4	647.4	618.0
30°	1160.9	1123.0	1082.0	1076.5	1035.2	982.0	948.3	903.0	818.6	742.1	691.8
27.5°	1198.1	1163.7	1129.2	1102.6	1078.7	1042.6	998.5	945.4	885.3	816.7	767.9
25°	1224.7	1186.2	1156.4	1127.0	1101.3	1073.9	1028.9	977.1	921.1	865.8	813.4
22.5°	1246.0	1210.1	1178.1	1146.4	1125.6	1096.2	1055.7	1002.2	964.6	929.5	861.3
20°	1269.3	1234.7	1198.6	1200.2	1169.5	1120.4	1081.5	1054.9	1049.7	1010.2	922.2
17.5°	1370.7	1275.6	1293.3	1326.7	1259.1	1170.0	1156.2	1157.6	1141.3	1104.6	995.1
15°	1587.7	1450.4	1451.6	1474.7	1401.4	1291.9	1266.7	1263.6	1237.9	1197.3	1072.1
12.5°	1656.0	1610.2	1601.8	1567.5	1495.5	1413.7	1383.8	1367.5	1320.4	1241.7	1127.5
10°	1679.1	1652.6	1617.3	1582.7	1539.0	1506.1	1463.5	1404.5	1337.6	1261.7	1168.7
7.5°	1681.9	1654.4	1625.9	1592.9	1554.6	1516.1	1473.9	1415.3	1350.5	1276.2	1197.8
5°	1680.3	1652.8	1626.5	1594.9	1556.1	1518.7	1480.5	1422.6	1359.3	1285.6	1216.9
2.5°	1676.2	1648.4	1623.3	1594.7	1556.0	1519.9	1484.6	1430.3	1365.6	1293.3	1223.3
0°	1682.2	1654.7	1630.9	1598.9	1563.8	1522.0	1486.6	1438.3	1368.6	1298.5	1225.7
-2.5°	1684.7	1656.3	1634.5	1598.4	1569.4	1526.7	1490.8	1444.2	1374.3	1307.6	1231.5
-5°	1698.3	1670.1	1641.6	1605.4	1574.9	1534.9	1494.6	1446.6	1378.5	1312.5	1234.2
-7.5°	1707.3	1678.6	1645.5	1610.4	1579.7	1541.6	1496.9	1446.8	1382.4	1312.4	1235.4
-10°	1712.9	1682.9	1650.2	1614.3	1582.6	1543.3	1496.1	1445.5	1381.7	1309.3	1232.7
-12.5°	1720.7	1687.0	1653.3	1612.6	1580.7	1540.4	1493.3	1442.7	1375.8	1303.6	1225.6
-15°	1723.6	1689.0	1649.7	1609.7	1574.9	1535.8	1487.1	1434.1	1365.4	1294.8	1214.1
-17.5°	1724.9	1685.5	1643.6	1605.2	1567.7	1526.2	1474.8	1418.5	1352.2	1279.2	1198.9
-20°	1724.0	1678.1	1634.9	1593.1	1553.9	1511.7	1458.6	1402.9	1333.2	1259.0	1179.2



REPORT NUMBER: P645333 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	1706.3	1664.8	1621.1	1575.8	1537.3	1492.5	1440.5	1382.9	1308.6	1236.8	1154.1
-25°	1687.0	1645.0	1599.9	1557.8	1516.7	1472.2	1418.8	1353.4	1282.9	1208.2	1123.7
-27.5°	1664.1	1620.0	1573.4	1530.5	1487.1	1443.3	1388.2	1322.3	1254.4	1172.7	1090.7
-30°	1633.2	1587.7	1540.2	1491.1	1451.4	1406.8	1352.3	1288.2	1215.3	1134.7	1056.7
-32.5°	1591.2	1548.4	1500.9	1454.2	1412.8	1366.0	1310.9	1247.4	1170.8	1094.6	1013.4
-35°	1548.6	1504.2	1458.9	1415.0	1371.4	1322.4	1266.1	1196.9	1123.8	1048.3	964.0
-37.5°	1499.9	1453.7	1411.1	1369.4	1324.4	1274.1	1212.1	1145.2	1074.0	990.9	910.7
-40°	1447.6	1403.0	1356.6	1315.3	1267.3	1216.6	1156.7	1091.7	1013.3	931.2	855.8
-42.5°	1385.4	1341.0	1293.1	1247.2	1200.5	1152.3	1098.2	1027.9	950.2	872.8	794.5
-45°	1310.4	1265.9	1218.8	1171.5	1127.9	1081.1	1030.7	955.7	879.0	805.2	730.0
-47.5°	1226.0	1182.9	1137.5	1090.5	1049.0	1002.0	940.6	870.9	803.0	732.7	655.9
-50°	1134.4	1093.3	1051.3	1007.8	961.1	908.1	849.2	788.4	721.1	649.0	578.8
-52.5°	1034.1	996.6	957.0	915.1	866.9	814.3	759.1	694.6	627.5	566.3	502.4
-55°	929.6	892.5	853.4	811.5	766.6	714.6	657.4	598.7	543.9	487.3	438.6
-57.5°	813.9	778.8	741.5	702.0	660.5	612.1	562.0	512.1	468.7	424.8	380.5
-60°	690.3	657.4	625.7	590.7	552.5	510.8	474.2	437.4	400.6	365.5	329.9
-62.5°	570.5	543.1	514.5	486.2	457.1	427.0	396.7	368.3	339.3	309.5	283.3
-65°	457.4	436.5	414.0	394.3	373.7	351.9	327.6	305.3	284.2	262.4	240.1
-67.5°	362.4	347.5	331.6	316.1	301.9	286.9	269.7	251.7	235.0	218.9	202.4
-70°	284.2	274.4	264.0	252.7	241.5	230.1	217.5	204.3	190.8	178.8	167.2
-72.5°	218.2	211.4	203.5	195.4	186.7	178.9	170.3	161.4	152.3	143.2	134.4
-75°	168.8	163.9	158.5	152.4	145.1	136.3	129.9	125.5	120.0	113.4	106.1
-77.5°	133.5	129.9	126.1	120.9	115.5	109.9	104.4	99.0	93.7	88.7	84.0
-80°	98.2	96.5	94.4	90.1	85.8	81.5	77.4	74.1	71.0	67.5	63.3
-82.5°	57.7	57.4	56.8	54.4	52.0	49.6	47.3	45.0	42.5	40.0	37.4
-85°	18.6	19.6	20.5	20.9	21.1	21.2	21.1	20.5	19.7	18.9	18.0
-87.5°	4.0	4.1	4.1	4.3	4.4	4.6	4.7	4.9	5.1	5.2	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: P645333 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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	0.5	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	1.5	1.2	1.0	0.8
62.5°	1.3	0.7	2.4	3.2	1.8	1.4	1.2	3.3	2.1	1.4	1.1
60°	3.0	2.4	6.7	10.7	7.4	2.5	3.7	5.7	5.3	1.9	1.5
57.5°	27.6	9.5	13.8	19.9	19.6	10.6	7.8	10.3	8.9	5.2	2.0
55°	59.0	49.7	32.8	30.0	32.4	26.2	17.0	16.7	13.7	9.5	3.3
52.5°	81.0	84.5	73.5	51.4	44.7	42.6	33.3	24.3	21.5	14.3	8.3
50°	117.2	109.1	108.1	90.7	62.8	56.8	49.1	37.9	30.2	20.4	14.0
47.5°	165.5	145.4	134.8	127.0	100.1	72.4	64.5	51.8	39.8	29.4	19.9
45°	236.6	188.0	167.3	154.7	137.2	101.8	80.7	65.4	51.9	39.5	26.1
42.5°	307.9	243.0	204.5	184.1	165.9	135.0	98.0	81.0	63.6	49.7	34.1
40°	370.8	299.8	243.6	217.4	194.1	167.1	126.1	97.7	75.2	60.3	43.1
37.5°	446.7	364.4	288.6	252.2	224.1	193.9	154.6	115.1	89.0	71.4	52.1
35°	520.0	448.1	338.9	294.3	257.6	221.4	182.0	135.7	106.1	82.6	61.1
32.5°	598.7	526.8	415.0	341.4	292.2	249.5	207.6	160.8	123.2	94.0	70.1
30°	660.7	578.6	481.7	388.4	329.8	280.8	233.2	184.8	140.3	105.5	79.2
27.5°	693.6	623.5	534.3	440.9	372.2	312.9	259.6	207.7	157.4	118.1	88.7
25°	727.5	655.0	572.0	486.7	414.0	346.9	285.9	229.6	176.1	132.3	98.0
22.5°	768.2	681.9	603.7	523.0	457.2	381.4	313.5	251.8	194.8	146.3	107.3
20°	809.0	706.8	635.0	572.5	499.6	418.7	342.3	273.5	212.5	159.9	116.3
17.5°	851.8	752.1	688.2	620.8	541.8	454.9	370.6	294.4	229.0	173.0	125.0
15°	926.4	819.9	741.8	667.7	583.8	489.7	398.3	314.6	244.5	185.6	133.2
12.5°	994.1	883.0	795.3	713.1	625.1	522.8	425.1	333.7	258.8	195.7	140.4
10°	1050.2	941.5	848.3	756.7	665.2	554.1	450.5	349.3	267.4	203.3	147.1
7.5°	1096.1	995.6	900.0	798.2	699.7	574.6	463.4	358.5	274.0	209.7	153.1
5°	1129.2	1031.7	927.4	812.6	710.4	583.0	472.1	365.9	279.4	215.0	158.6
2.5°	1138.8	1042.8	937.7	820.5	717.7	588.4	478.3	371.5	283.6	219.4	163.5
0°	1144.3	1050.1	944.2	825.4	721.4	591.0	482.1	375.4	286.5	222.8	167.7
-2.5°	1152.1	1056.4	950.4	837.9	723.9	598.9	484.2	377.9	290.2	224.0	170.2
-5°	1155.9	1058.8	953.4	846.4	723.2	603.6	484.0	378.7	292.6	224.4	172.0
-7.5°	1154.3	1058.0	953.5	849.0	720.0	604.7	481.3	377.9	293.6	224.1	173.1
-10°	1149.1	1053.7	949.9	842.2	717.0	600.4	476.6	375.5	293.0	223.1	173.5
-12.5°	1141.1	1045.7	942.4	832.4	710.7	591.6	471.1	371.4	290.6	221.6	173.2
-15°	1130.9	1034.1	931.1	819.9	700.3	579.9	462.8	365.4	286.0	219.8	172.2
-17.5°	1117.7	1018.9	915.9	805.1	685.8	565.4	451.7	357.6	280.2	217.7	170.1
-20°	1094.2	998.4	896.5	788.3	666.9	548.2	437.6	348.0	273.4	214.6	167.2

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report



REPORT NUMBER: P645333 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1D-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°
-22.5°	1067.8	973.1	872.4	765.6	644.2	528.4	420.6	336.6	265.5	210.7	163.6
-25°	1039.6	944.6	844.3	734.3	619.1	507.5	403.6	323.4	256.6	205.8	159.5
-27.5°	1006.5	912.4	812.6	699.7	589.9	483.2	387.3	311.7	247.9	199.9	154.8
-30°	969.3	874.5	772.8	662.8	558.0	455.1	369.1	299.3	240.6	193.5	149.6
-32.5°	926.6	832.7	728.8	625.1	524.2	425.4	348.9	285.9	232.2	186.8	144.7
-35°	878.0	784.0	682.1	584.5	488.4	401.3	329.2	271.8	222.6	179.5	139.6
-37.5°	827.5	731.9	635.5	542.2	450.4	375.3	311.5	257.8	212.0	171.6	134.0
-40°	769.7	678.2	586.5	498.6	417.5	347.3	292.3	244.0	201.9	163.3	127.8
-42.5°	710.2	621.9	535.5	452.5	385.0	324.6	272.2	229.1	191.2	155.3	121.1
-45°	646.1	562.5	481.2	413.6	351.9	300.5	254.6	213.7	179.9	147.0	114.2
-47.5°	578.4	499.8	431.8	373.1	323.8	276.3	235.9	200.3	168.0	138.2	107.3
-50°	506.8	441.5	386.4	337.9	293.6	254.5	217.2	186.4	157.0	128.4	100.1
-52.5°	443.3	390.9	345.3	303.9	266.9	231.5	201.1	172.0	145.8	119.1	92.5
-55°	388.8	345.9	307.5	273.0	240.4	211.8	184.5	159.3	134.2	109.7	84.8
-57.5°	341.9	304.4	273.6	243.6	216.7	192.3	169.3	146.3	123.1	100.0	78.7
-60°	296.7	268.7	241.3	217.2	194.4	173.8	154.9	133.4	111.9	90.3	72.0
-62.5°	257.7	233.8	213.1	192.0	173.1	156.3	140.5	120.6	100.4	81.3	64.6
-65°	221.2	202.8	185.1	168.4	152.7	138.4	125.6	107.6	88.8	71.8	57.0
-67.5°	186.4	172.6	158.8	144.7	132.4	120.8	109.8	93.6	76.8	61.8	49.4
-70°	155.4	143.6	132.8	122.3	112.3	102.7	92.3	78.6	64.2	52.8	41.7
-72.5°	126.2	117.6	108.5	99.9	92.5	84.1	74.6	63.9	53.7	43.7	33.8
-75°	99.1	93.4	87.0	80.2	73.3	65.8	59.5	52.0	43.1	34.4	27.2
-77.5°	79.3	73.7	67.4	61.9	57.3	52.1	46.4	39.9	32.9	26.7	21.1
-80°	58.5	54.2	50.6	47.5	43.2	38.5	33.7	29.0	23.9	19.2	14.8
-82.5°	35.7	34.7	33.7	32.3	28.7	25.2	21.8	18.4	14.8	11.5	9.5
-85°	17.8	17.5	17.0	16.2	14.0	11.9	10.9	9.9	8.6	7.5	6.3
-87.5°	5.9	6.3	6.7	6.9	6.4	5.9	5.4	4.9	4.3	3.7	3.2
-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	0.2	0.0
72.5°	0.8	0.8	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°	1.0	1.0	0.9	0.9	0.7	0.4	0.0
62.5°	1.2	1.3	1.0	0.9	0.8	0.4	0.0
60°	1.4	1.5	1.0	0.9	0.8	0.5	0.0
57.5°	2.6	1.8	1.3	1.0	0.9	0.5	0.0
55°	4.1	2.1	1.6	1.0	0.9	0.6	0.0
52.5°	5.9	2.7	1.9	1.0	0.9	0.6	0.0
50°	8.0	4.7	2.3	1.1	1.0	0.6	0.0
47.5°	10.7	6.8	2.6	1.2	1.0	0.7	0.0
45°	16.1	9.0	3.0	1.4	1.1	0.7	0.0
42.5°	21.7	11.4	3.4	1.7	1.1	0.7	0.0
40°	27.4	13.9	4.5	2.1	1.2	0.8	0.0
37.5°	33.2	16.5	6.5	2.5	1.2	0.8	0.0
35°	39.1	20.5	8.5	3.0	1.3	0.8	0.0
32.5°	45.5	25.2	10.5	3.6	1.3	0.9	0.0
30°	52.8	29.8	12.6	4.2	1.4	0.9	0.0
27.5°	59.9	34.3	15.1	4.8	1.4	0.9	0.0
25°	66.9	38.8	17.7	5.5	1.5	0.9	0.0
22.5°	73.7	43.4	20.2	6.2	1.5	1.0	0.0
20°	80.3	48.3	22.8	6.9	1.5	1.0	0.0
17.5°	86.8	53.0	25.3	7.6	1.6	1.0	0.0
15°	93.0	57.6	27.8	8.4	1.6	1.0	0.0
12.5°	98.9	61.9	30.1	9.1	1.7	1.0	0.0
10°	104.3	66.1	32.4	9.8	1.7	1.1	0.0
7.5°	109.2	69.9	34.5	10.5	1.8	1.1	0.0
5°	113.8	73.4	36.5	11.2	1.8	1.1	0.0
2.5°	117.8	76.6	38.4	11.8	1.9	1.1	0.0
0°	121.4	79.5	40.0	12.4	1.9	1.1	0.0
-2.5°	123.2	81.3	41.5	13.2	2.2	1.2	0.0
-5°	124.5	82.7	42.8	14.0	2.5	1.2	0.0
-7.5°	125.3	83.8	43.8	14.6	2.8	1.3	0.0
-10°	125.6	84.4	44.6	15.2	3.0	1.3	0.0
-12.5°	125.6	84.7	45.2	15.7	3.3	1.4	0.0
-15°	125.1	84.6	45.4	16.1	3.5	1.4	0.0
-17.5°	124.1	84.1	45.4	16.4	3.8	1.5	0.0
-20°	122.7	83.2	45.1	16.6	4.0	1.5	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	120.7	81.9	44.4	16.6	4.2	1.5	0.0
-25°	118.1	79.9	43.5	16.6	4.3	1.6	0.0
-27.5°	115.1	77.5	42.2	16.4	4.5	1.6	0.0
-30°	111.7	74.7	40.6	16.0	4.6	1.6	0.0
-32.5°	107.7	71.6	38.8	15.6	4.7	1.6	0.0
-35°	103.5	68.1	36.7	14.9	4.7	1.6	0.0
-37.5°	98.9	64.7	34.5	14.2	4.8	1.6	0.0
-40°	94.0	61.5	32.0	13.3	4.8	1.6	0.0
-42.5°	88.7	58.2	30.2	12.4	4.7	1.6	0.0
-45°	83.1	54.6	28.9	11.4	4.7	1.5	0.0
-47.5°	77.2	50.8	27.4	10.3	4.6	1.5	0.0
-50°	72.2	46.8	25.6	9.9	4.5	1.4	0.0
-52.5°	67.3	42.6	23.7	9.7	4.3	1.4	0.0
-55°	62.1	39.5	21.5	9.4	4.1	1.3	0.0
-57.5°	56.8	36.3	19.1	9.0	3.9	1.3	0.0
-60°	51.3	32.8	16.6	8.5	3.7	1.2	0.0
-62.5°	46.4	29.0	15.5	7.9	3.5	1.1	0.0
-65°	41.1	24.9	14.1	7.2	3.2	1.0	0.0
-67.5°	35.4	21.5	12.6	6.4	3.0	1.0	0.0
-70°	29.5	18.9	11.0	5.5	2.7	0.9	0.0
-72.5°	24.9	16.0	9.2	4.9	2.4	0.8	0.0
-75°	20.4	12.9	7.3	4.2	2.1	0.7	0.0
-77.5°	15.6	9.7	6.0	3.6	1.7	0.6	0.0
-80°	10.7	7.4	4.9	2.9	1.4	0.4	0.0
-82.5°	7.8	5.6	3.7	2.2	1.1	0.3	0.0
-85°	5.3	3.7	2.5	1.5	0.7	0.2	0.0
-87.5°	2.6	1.9	1.2	0.7	0.4	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)