

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



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P627761 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-735-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627761 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5E-735-U-VWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N124
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

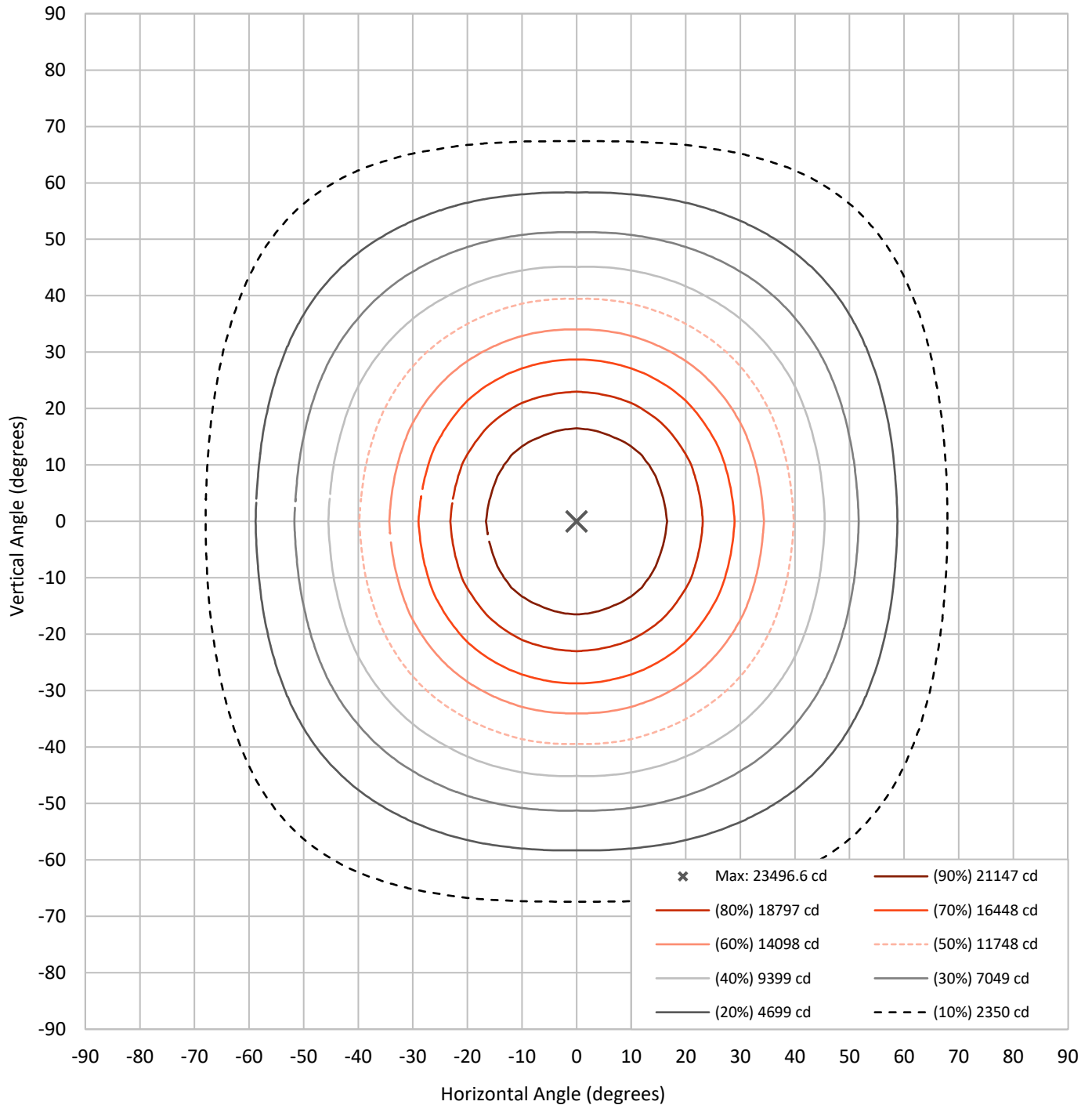
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	42468 lumens	Max Intensity:	23496.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	135.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	24907.7 lumens	Field Lumens:	40486 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	313.7		
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





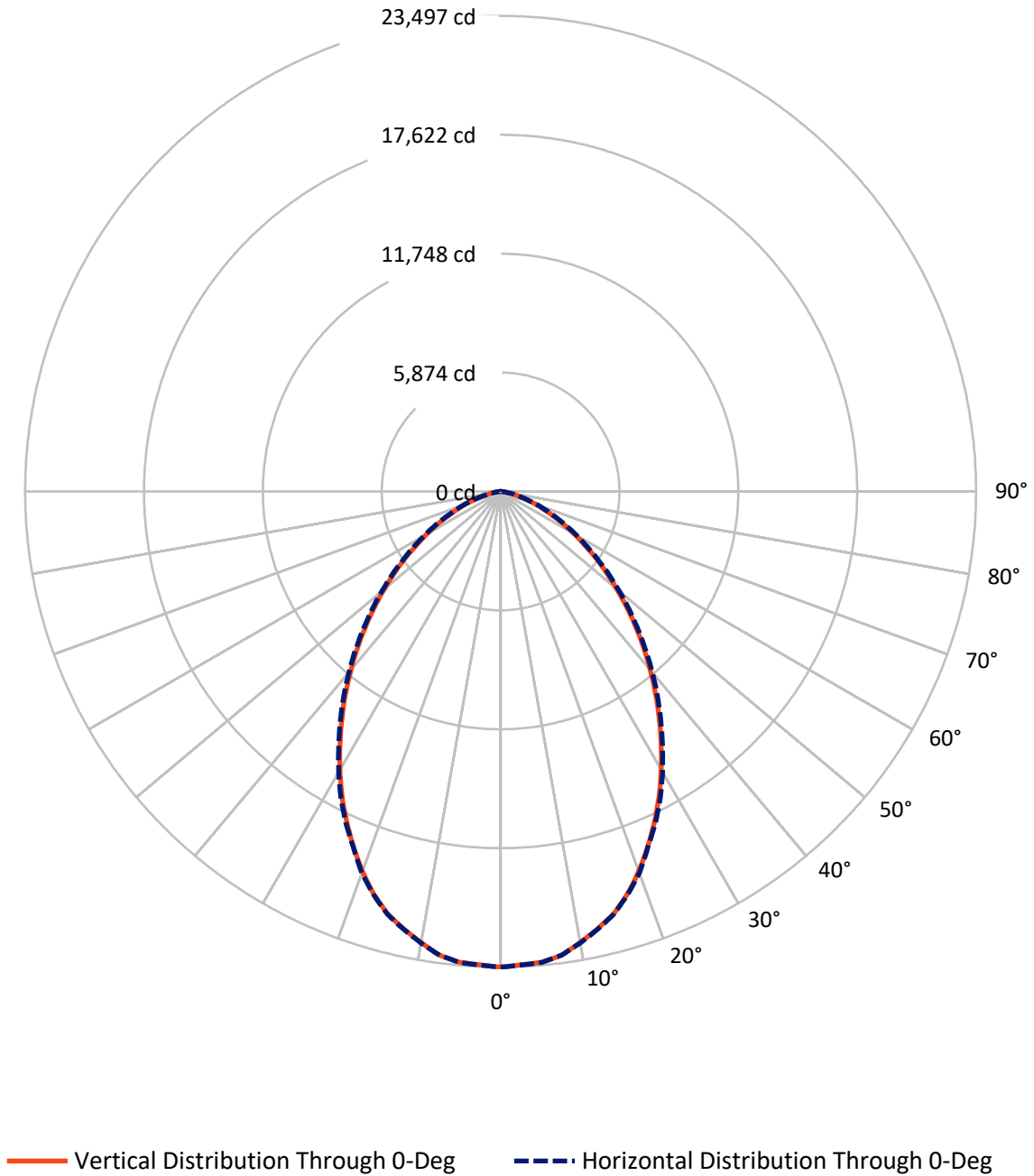
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Lumen Table

90																			
80	1.4	17.4	47.4	80.4	75.8	80.4	47.4	17.4	1.4										
70																			
60	7.9	10.9	22.0	37.5	54.8	70.8	82.8	88.6	88.6	82.8	70.8	54.8	37.5	22.0	10.9				7.9
50																			
40	13.9	16.3	35.7	63.7	96.5	131.1	159.6	174.4	174.4	159.6	131.1	96.5	63.7	35.7	16.3				13.9
30																			
20	17.8	21.9	51.6	95.3	151.0	209.4	258.3	285.0	285.0	258.3	209.4	151.0	95.3	51.6	21.9				17.8
10																			
0	19.4	27.8	68.4	131.3	211.5	296.5	369.1	410.3	410.3	369.1	296.5	211.5	131.3	68.4	27.8				19.4
-10																			
-20	17.8	33.2	84.2	165.0	269.2	382.2	480.7	537.3	537.3	480.7	382.2	269.2	165.0	84.2	33.2				17.8
-30																			
-40	13.9	37.5	96.3	190.3	314.3	451.7	572.8	641.7	641.7	572.8	451.7	314.3	190.3	96.3	37.5				13.9
-50																			
-60	7.9	39.8	103.1	204.7	339.4	490.2	622.7	695.1	695.1	622.7	490.2	339.4	204.7	103.1	39.8				7.9
-70																			
-80	1.4	39.8	103.1	204.7	339.4	490.2	622.7	695.1	695.1	622.7	490.2	339.4	204.7	103.1	39.8				1.4
-90																			

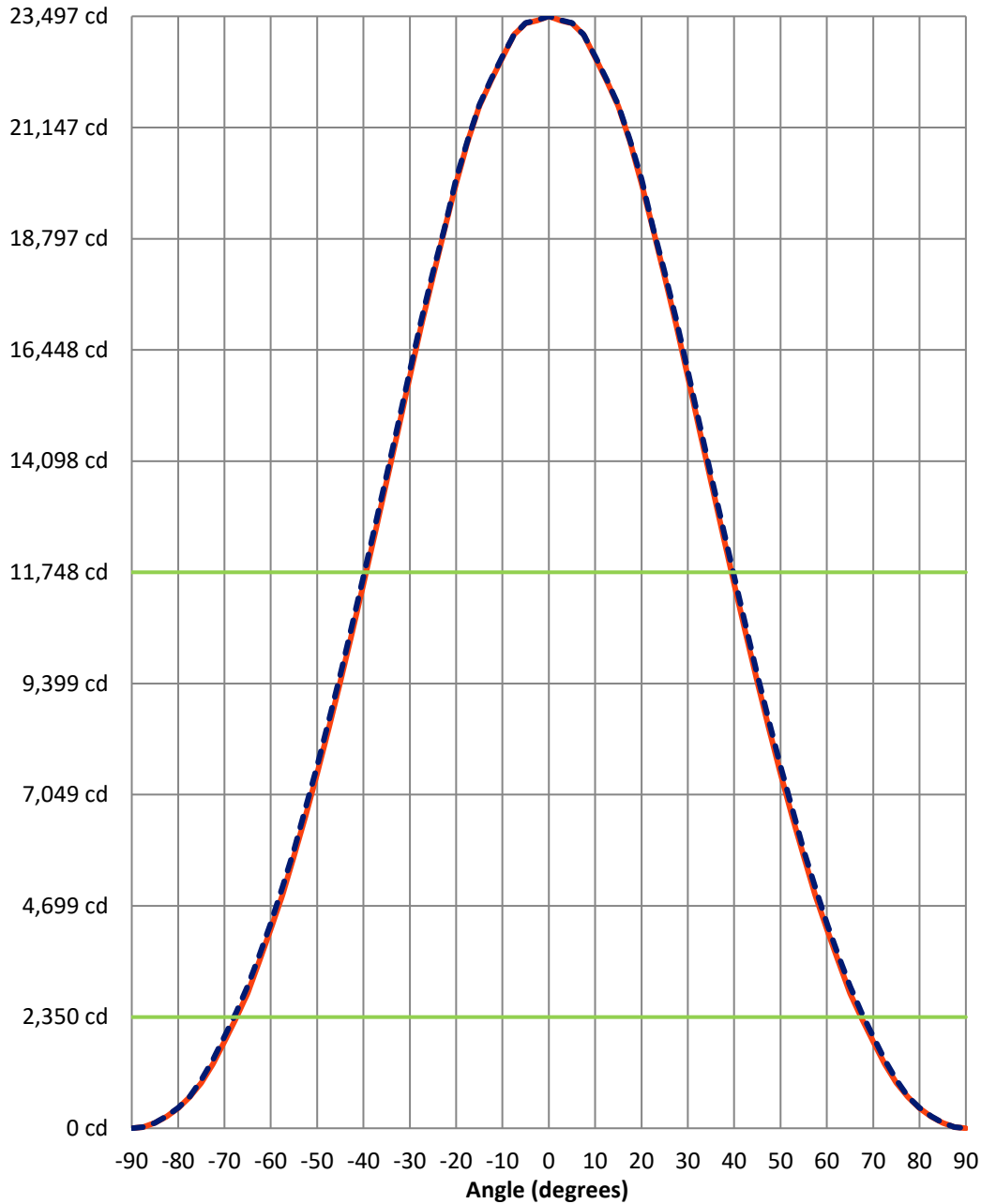
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 24907.7
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 40486
 Efficiency: 95.3%

Spill:
 Lumens: 1982
 Efficiency: 4.7%

— Vertical Distribution through 0-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	1.3	3.1	4.6	6.1	7.6	9.1	10.6	12.0	13.5	14.9
85°	0.0	2.7	6.1	9.2	12.2	15.2	18.2	21.1	24.1	26.9	29.7
82.5°	0.0	4.0	9.2	13.7	18.3	22.8	27.3	31.7	39.6	62.4	84.2
80°	0.0	5.3	12.2	18.3	24.3	30.3	41.0	73.0	103.8	133.5	161.8
77.5°	0.0	6.6	15.1	22.8	30.3	47.5	89.4	129.8	167.7	204.1	249.3
75°	0.0	7.9	18.0	27.3	39.5	82.3	136.6	186.1	233.5	298.7	367.9
72.5°	0.0	9.2	20.9	31.7	63.0	116.1	182.4	246.6	321.0	400.4	484.4
70°	0.0	10.4	23.7	37.9	85.7	148.6	228.1	319.2	406.8	500.2	609.5
67.5°	0.0	11.7	26.4	52.0	107.6	179.8	283.0	390.0	490.6	608.6	733.9
65°	0.0	12.8	29.0	65.5	128.4	214.7	335.4	459.0	581.2	713.9	850.4
62.5°	0.0	14.0	31.6	78.4	148.2	253.0	385.3	531.0	668.7	814.5	954.6
60°	0.0	15.1	34.0	90.6	166.8	289.2	432.2	602.5	753.0	908.6	1057.3
57.5°	0.0	16.2	40.9	102.1	191.5	323.1	481.7	669.2	836.1	1001.1	1154.7
55°	0.0	17.2	47.5	112.7	215.1	354.7	528.5	726.7	917.8	1090.5	1248.2
52.5°	0.0	18.2	54.0	122.6	237.0	384.7	571.9	786.5	997.6	1172.7	1339.2
50°	0.0	19.1	60.1	131.6	257.2	416.6	611.6	843.4	1073.4	1252.5	1443.6
47.5°	0.0	20.0	66.0	141.0	275.7	445.7	648.8	896.2	1142.0	1329.7	1545.9
45°	0.0	20.9	71.6	153.3	292.2	472.0	690.3	944.9	1195.4	1417.1	1643.7
42.5°	0.0	21.7	76.9	164.3	306.9	495.3	728.2	989.7	1246.5	1500.7	1758.9
40°	0.0	22.4	81.9	175.7	321.6	515.7	762.7	1032.1	1299.6	1579.1	1871.2
37.5°	0.0	23.1	86.5	186.9	336.3	533.1	793.5	1072.4	1359.3	1653.4	1976.5
35°	0.0	23.7	90.9	197.3	348.8	553.2	820.7	1110.3	1417.4	1739.0	2082.6
32.5°	0.0	24.3	94.8	206.9	359.3	573.4	845.9	1145.7	1473.8	1821.3	2194.9
30°	0.0	24.8	98.5	215.7	367.7	590.6	872.0	1181.2	1528.3	1899.9	2299.9
27.5°	0.0	25.2	101.8	223.7	380.3	604.8	895.5	1222.4	1584.3	1974.6	2397.3
25°	0.0	25.6	104.7	230.8	392.1	616.1	916.2	1260.7	1642.7	2050.5	2487.5
22.5°	0.0	25.9	107.3	237.1	402.5	627.5	933.9	1295.7	1696.5	2122.4	2583.4
20°	0.0	26.2	109.5	242.6	411.5	643.0	948.5	1327.3	1745.2	2186.7	2669.5
17.5°	0.0	26.4	111.4	247.1	419.0	655.8	966.8	1355.0	1788.7	2243.1	2745.4
15°	0.0	26.6	112.9	250.9	425.1	665.7	985.8	1381.5	1826.5	2291.5	2810.8
12.5°	0.0	26.7	114.0	253.7	429.7	672.8	1001.3	1406.4	1860.7	2331.6	2865.6
10°	0.0	26.8	114.8	255.8	432.9	677.3	1013.1	1425.6	1890.2	2369.3	2911.7
7.5°	0.0	26.7	115.3	256.9	434.6	679.0	1021.1	1439.0	1912.9	2399.6	2951.6
5°	0.0	26.7	115.4	257.2	435.0	678.2	1025.3	1446.6	1928.5	2421.6	2980.2
2.5°	0.0	26.6	115.1	256.7	433.9	675.0	1025.4	1448.3	1936.8	2435.0	2997.4
0°	0.0	26.4	114.5	255.4	431.5	669.3	1021.6	1444.3	1937.5	2439.5	3003.1
-2.5°	0.0	26.6	115.1	256.7	433.9	675.0	1025.4	1448.3	1936.8	2435.0	2997.4
-5°	0.0	26.7	115.4	257.2	435.0	678.2	1025.3	1446.6	1928.5	2421.6	2980.2
-7.5°	0.0	26.7	115.3	256.9	434.6	679.0	1021.1	1439.0	1912.9	2399.6	2951.6
-10°	0.0	26.8	114.8	255.8	432.9	677.3	1013.1	1425.6	1890.2	2369.3	2911.7
-12.5°	0.0	26.7	114.0	253.7	429.7	672.8	1001.3	1406.4	1860.7	2331.6	2865.6
-15°	0.0	26.6	112.9	250.9	425.1	665.7	985.8	1381.5	1826.5	2291.5	2810.8
-17.5°	0.0	26.4	111.4	247.1	419.0	655.8	966.8	1355.0	1788.7	2243.1	2745.4
-20°	0.0	26.2	109.5	242.6	411.5	643.0	948.5	1327.3	1745.2	2186.7	2669.5

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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	25.9	107.3	237.1	402.5	627.5	933.9	1295.7	1696.5	2122.4	2583.4
-25°	0.0	25.6	104.7	230.8	392.1	616.1	916.2	1260.7	1642.7	2050.5	2487.5
-27.5°	0.0	25.2	101.8	223.7	380.3	604.8	895.5	1222.4	1584.3	1974.6	2397.3
-30°	0.0	24.8	98.5	215.7	367.7	590.6	872.0	1181.2	1528.3	1899.9	2299.9
-32.5°	0.0	24.3	94.8	206.9	359.3	573.4	845.9	1145.7	1473.8	1821.3	2194.9
-35°	0.0	23.7	90.9	197.3	348.8	553.2	820.7	1110.3	1417.4	1739.0	2082.6
-37.5°	0.0	23.1	86.5	186.9	336.3	533.1	793.5	1072.4	1359.3	1653.4	1976.5
-40°	0.0	22.4	81.9	175.7	321.6	515.7	762.7	1032.1	1299.6	1579.1	1871.2
-42.5°	0.0	21.7	76.9	164.3	306.9	495.3	728.2	989.7	1246.5	1500.7	1758.9
-45°	0.0	20.9	71.6	153.3	292.2	472.0	690.3	944.9	1195.4	1417.1	1643.7
-47.5°	0.0	20.0	66.0	141.0	275.7	445.7	648.8	896.2	1142.0	1329.7	1545.9
-50°	0.0	19.1	60.1	131.6	257.2	416.6	611.6	843.4	1073.4	1252.5	1443.6
-52.5°	0.0	18.2	54.0	122.6	237.0	384.7	571.9	786.5	997.6	1172.7	1339.2
-55°	0.0	17.2	47.5	112.7	215.1	354.7	528.5	726.7	917.8	1090.5	1248.2
-57.5°	0.0	16.2	40.9	102.1	191.5	323.1	481.7	669.2	836.1	1001.1	1154.7
-60°	0.0	15.1	34.0	90.6	166.8	289.2	432.2	602.5	753.0	908.6	1057.3
-62.5°	0.0	14.0	31.6	78.4	148.2	253.0	385.3	531.0	668.7	814.5	954.6
-65°	0.0	12.8	29.0	65.5	128.4	214.7	335.4	459.0	581.2	713.9	850.4
-67.5°	0.0	11.7	26.4	52.0	107.6	179.8	283.0	390.0	490.6	608.6	733.9
-70°	0.0	10.4	23.7	37.9	85.7	148.6	228.1	319.2	406.8	500.2	609.5
-72.5°	0.0	9.2	20.9	31.7	63.0	116.1	182.4	246.6	321.0	400.4	484.4
-75°	0.0	7.9	18.0	27.3	39.5	82.3	136.6	186.1	233.5	298.7	367.9
-77.5°	0.0	6.6	15.1	22.8	30.3	47.5	89.4	129.8	167.7	204.1	249.3
-80°	0.0	5.3	12.2	18.3	24.3	30.3	41.0	73.0	103.8	133.5	161.8
-82.5°	0.0	4.0	9.2	13.7	18.3	22.8	27.3	31.7	39.6	62.4	84.2
-85°	0.0	2.7	6.1	9.2	12.2	15.2	18.2	21.1	24.1	26.9	29.7
-87.5°	0.0	1.3	3.1	4.6	6.1	7.6	9.1	10.6	12.0	13.5	14.9
-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):

	-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°	17.3	19.8	22.4	25.2	25.5	25.5	25.3	24.9	25.9	27.0	27.9
85°	34.4	39.5	54.9	69.7	76.8	81.3	83.2	82.9	96.4	112.1	129.0
82.5°	107.1	129.2	150.3	170.4	175.5	175.7	173.9	174.5	206.2	242.5	279.7
80°	190.8	218.8	256.0	288.9	303.2	310.7	314.0	313.5	353.6	406.9	463.1
77.5°	302.7	349.9	390.9	425.8	444.6	461.3	474.8	485.2	536.7	604.2	671.1
75°	430.2	482.0	533.4	578.2	609.5	632.8	654.4	689.2	756.7	835.5	904.0
72.5°	564.7	630.8	688.1	736.7	780.7	827.4	879.7	936.9	1008.1	1086.7	1158.4
70°	708.4	781.0	841.0	899.6	959.5	1029.5	1107.8	1185.0	1264.4	1351.2	1434.7
67.5°	848.9	919.0	989.7	1063.6	1153.3	1246.9	1339.6	1446.0	1554.8	1651.2	1737.4
65°	971.0	1053.2	1141.6	1241.9	1352.7	1471.6	1595.3	1722.9	1861.0	1976.8	2082.3
62.5°	1087.6	1186.4	1293.8	1418.8	1560.1	1700.9	1858.7	2018.5	2174.0	2310.3	2436.4
60°	1195.1	1314.7	1450.6	1603.8	1768.7	1955.9	2135.7	2317.4	2487.8	2642.2	2801.6
57.5°	1299.6	1450.1	1613.1	1797.1	2005.6	2216.0	2427.3	2622.7	2815.7	3003.8	3184.0
55°	1410.2	1591.6	1785.6	2011.3	2246.4	2495.2	2722.7	2940.8	3153.4	3381.8	3598.9
52.5°	1531.9	1734.6	1977.3	2230.0	2501.5	2768.6	3018.5	3267.0	3524.0	3782.4	4065.0
50°	1649.4	1902.0	2168.1	2461.9	2755.2	3041.3	3327.9	3614.2	3922.1	4239.0	4559.2
47.5°	1786.6	2062.3	2376.6	2691.7	3012.2	3330.6	3650.0	3995.9	4345.7	4713.3	5067.4
45°	1925.5	2235.5	2574.1	2930.4	3277.0	3629.5	4003.0	4385.3	4795.5	5199.8	5625.9
42.5°	2057.2	2407.5	2780.8	3165.6	3551.2	3945.0	4355.7	4802.4	5250.6	5716.8	6185.1
40°	2203.0	2571.2	2982.7	3406.6	3825.0	4261.6	4731.0	5214.7	5721.8	6234.5	6742.9
37.5°	2343.2	2747.9	3180.5	3636.8	4106.3	4586.1	5095.8	5644.8	6194.8	6746.5	7307.2
35°	2474.4	2915.5	3384.1	3868.5	4366.4	4912.1	5481.9	6068.0	6663.8	7260.5	7863.8
32.5°	2609.5	3073.5	3578.6	4097.0	4645.7	5230.9	5854.9	6490.1	7124.7	7761.9	8422.2
30°	2744.9	3239.3	3767.0	4313.1	4913.2	5550.9	6221.6	6894.3	7565.7	8266.9	8970.5
27.5°	2872.8	3396.5	3952.1	4536.4	5169.7	5847.2	6559.5	7280.1	8004.0	8749.5	9500.0
25°	2990.7	3545.4	4124.0	4751.4	5422.5	6132.3	6874.4	7626.3	8420.2	9218.0	10001.7
22.5°	3105.5	3682.2	4283.1	4949.3	5651.7	6397.1	7169.8	7963.8	8793.4	9650.2	10461.1
20°	3216.0	3812.4	4437.9	5128.8	5856.9	6635.5	7438.3	8269.8	9140.1	10019.7	10892.1
17.5°	3314.1	3928.2	4582.0	5296.5	6052.7	6853.3	7680.2	8539.0	9448.1	10359.9	11284.2
15°	3399.5	4028.9	4706.9	5442.9	6225.8	7051.4	7904.7	8788.0	9720.5	10669.9	11630.8
12.5°	3471.8	4114.3	4812.0	5567.4	6372.7	7221.3	8097.7	9012.0	9969.7	10945.6	11934.4
10°	3530.5	4183.8	4897.0	5669.1	6492.7	7361.8	8256.5	9196.6	10183.0	11180.2	12189.8
7.5°	3580.5	4241.8	4964.5	5747.5	6585.1	7471.7	8380.3	9340.7	10352.9	11363.1	12394.9
5°	3616.8	4288.7	5026.5	5813.2	6665.5	7557.6	8474.0	9443.3	10477.2	11493.4	12543.6
2.5°	3638.7	4319.3	5068.6	5855.9	6728.7	7621.9	8557.3	9534.0	10568.3	11596.7	12655.4
0°	3646.0	4333.0	5090.3	5874.1	6763.6	7653.1	8604.3	9581.8	10612.2	11660.2	12725.8
-2.5°	3638.7	4319.3	5068.6	5855.9	6728.7	7621.9	8557.3	9534.0	10568.3	11596.7	12655.4
-5°	3616.8	4288.7	5026.5	5813.2	6665.5	7557.6	8474.0	9443.3	10477.2	11493.4	12543.6
-7.5°	3580.5	4241.8	4964.5	5747.5	6585.1	7471.7	8380.3	9340.7	10352.9	11363.1	12394.9
-10°	3530.5	4183.8	4897.0	5669.1	6492.7	7361.8	8256.5	9196.6	10183.0	11180.2	12189.8
-12.5°	3471.8	4114.3	4812.0	5567.4	6372.7	7221.3	8097.7	9012.0	9969.7	10945.6	11934.4
-15°	3399.5	4028.9	4706.9	5442.9	6225.8	7051.4	7904.7	8788.0	9720.5	10669.9	11630.8
-17.5°	3314.1	3928.2	4582.0	5296.5	6052.7	6853.3	7680.2	8539.0	9448.1	10359.9	11284.2
-20°	3216.0	3812.4	4437.9	5128.8	5856.9	6635.5	7438.3	8269.8	9140.1	10019.7	10892.1



REPORT NUMBER: P627761 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3105.5	3682.2	4283.1	4949.3	5651.7	6397.1	7169.8	7963.8	8793.4	9650.2	10461.1
-25°	2990.7	3545.4	4124.0	4751.4	5422.5	6132.3	6874.4	7626.3	8420.2	9218.0	10001.7
-27.5°	2872.8	3396.5	3952.1	4536.4	5169.7	5847.2	6559.5	7280.1	8004.0	8749.5	9500.0
-30°	2744.9	3239.3	3767.0	4313.1	4913.2	5550.9	6221.6	6894.3	7565.7	8266.9	8970.5
-32.5°	2609.5	3073.5	3578.6	4097.0	4645.7	5230.9	5854.9	6490.1	7124.7	7761.9	8422.2
-35°	2474.4	2915.5	3384.1	3868.5	4366.4	4912.1	5481.9	6068.0	6663.8	7260.5	7863.8
-37.5°	2343.2	2747.9	3180.5	3636.8	4106.3	4586.1	5095.8	5644.8	6194.8	6746.5	7307.2
-40°	2203.0	2571.2	2982.7	3406.6	3825.0	4261.6	4731.0	5214.7	5721.8	6234.5	6742.9
-42.5°	2057.2	2407.5	2780.8	3165.6	3551.2	3945.0	4355.7	4802.4	5250.6	5716.8	6185.1
-45°	1925.5	2235.5	2574.1	2930.4	3277.0	3629.5	4003.0	4385.3	4795.5	5199.8	5625.9
-47.5°	1786.6	2062.3	2376.6	2691.7	3012.2	3330.6	3650.0	3995.9	4345.7	4713.3	5067.4
-50°	1649.4	1902.0	2168.1	2461.9	2755.2	3041.3	3327.9	3614.2	3922.1	4239.0	4559.2
-52.5°	1531.9	1734.6	1977.3	2230.0	2501.5	2768.6	3018.5	3267.0	3524.0	3782.4	4065.0
-55°	1410.2	1591.6	1785.6	2011.3	2246.4	2495.2	2722.7	2940.8	3153.4	3381.8	3598.9
-57.5°	1299.6	1450.1	1613.1	1797.1	2005.6	2216.0	2427.3	2622.7	2815.7	3003.8	3184.0
-60°	1195.1	1314.7	1450.6	1603.8	1768.7	1955.9	2135.7	2317.4	2487.8	2642.2	2801.6
-62.5°	1087.6	1186.4	1293.8	1418.8	1560.1	1700.9	1858.7	2018.5	2174.0	2310.3	2436.4
-65°	971.0	1053.2	1141.6	1241.9	1352.7	1471.6	1595.3	1722.9	1861.0	1976.8	2082.3
-67.5°	848.9	919.0	989.7	1063.6	1153.3	1246.9	1339.6	1446.0	1554.8	1651.2	1737.4
-70°	708.4	781.0	841.0	899.6	959.5	1029.5	1107.8	1185.0	1264.4	1351.2	1434.7
-72.5°	564.7	630.8	688.1	736.7	780.7	827.4	879.7	936.9	1008.1	1086.7	1158.4
-75°	430.2	482.0	533.4	578.2	609.5	632.8	654.4	689.2	756.7	835.5	904.0
-77.5°	302.7	349.9	390.9	425.8	444.6	461.3	474.8	485.2	536.7	604.2	671.1
-80°	190.8	218.8	256.0	288.9	303.2	310.7	314.0	313.5	353.6	406.9	463.1
-82.5°	107.1	129.2	150.3	170.4	175.5	175.7	173.9	174.5	206.2	242.5	279.7
-85°	34.4	39.5	54.9	69.7	76.8	81.3	83.2	82.9	96.4	112.1	129.0
-87.5°	17.3	19.8	22.4	25.2	25.5	25.5	25.3	24.9	25.9	27.0	27.9
-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: P627761 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-735-U-VWR-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°	28.8	29.7	30.5	31.2	31.9	32.5	33.1	33.6	34.0	32.2	30.3
85°	147.1	157.6	167.2	176.5	185.4	193.8	201.6	209.0	215.7	197.0	176.3
82.5°	317.7	343.2	367.4	391.5	415.4	421.5	423.4	422.5	419.2	386.3	350.0
80°	518.6	561.7	602.5	642.8	682.6	687.1	682.6	674.3	662.7	619.7	570.9
77.5°	737.9	792.2	839.8	883.4	923.0	930.5	929.4	927.4	924.1	880.2	827.0
75°	962.7	1015.8	1067.1	1110.7	1147.1	1163.8	1172.0	1177.7	1181.0	1149.4	1108.0
72.5°	1223.2	1278.6	1323.8	1366.1	1401.9	1427.9	1446.5	1460.6	1470.2	1460.6	1443.7
70°	1506.0	1565.4	1615.3	1663.1	1711.7	1750.7	1780.1	1801.4	1815.0	1823.8	1830.0
67.5°	1824.5	1904.1	1973.6	2033.0	2091.7	2146.8	2192.1	2229.0	2257.6	2281.9	2300.5
65°	2183.2	2285.1	2375.3	2458.2	2534.1	2614.0	2679.6	2734.7	2778.9	2815.5	2844.9
62.5°	2560.4	2685.2	2801.1	2913.5	3023.7	3132.3	3215.6	3291.4	3358.8	3416.8	3462.9
60°	2952.4	3094.2	3249.7	3398.1	3534.8	3659.6	3783.5	3890.9	3982.8	4059.0	4120.5
57.5°	3373.7	3557.3	3739.1	3923.5	4097.7	4260.7	4413.3	4547.9	4661.7	4755.1	4833.4
55°	3828.9	4058.5	4269.3	4501.9	4726.6	4931.2	5111.3	5269.7	5406.6	5521.3	5618.6
52.5°	4329.2	4608.2	4882.1	5146.8	5401.9	5639.3	5855.0	6039.3	6203.3	6343.9	6456.0
50°	4876.7	5196.0	5513.5	5807.9	6101.0	6374.5	6621.7	6835.6	7026.5	7191.7	7321.7
47.5°	5449.4	5812.9	6167.3	6504.3	6828.7	7132.7	7400.4	7644.3	7882.2	8076.2	8229.7
45°	6044.1	6451.7	6842.8	7228.1	7585.3	7926.0	8256.3	8560.0	8804.1	9017.9	9197.4
42.5°	6645.9	7100.6	7538.6	7958.9	8351.7	8745.7	9117.2	9449.2	9727.6	9970.7	10174.7
40°	7255.6	7753.4	8235.9	8694.1	9143.3	9572.9	9974.7	10324.8	10638.8	10927.5	11168.0
37.5°	7862.2	8409.9	8944.4	9457.8	9952.3	10417.8	10851.9	11247.5	11601.9	11930.6	12197.7
35°	8471.5	9072.4	9657.6	10222.5	10762.7	11276.3	11751.6	12201.7	12619.3	12952.3	13225.5
32.5°	9078.4	9724.4	10361.4	10983.3	11574.5	12128.2	12643.2	13140.6	13570.1	13936.2	14250.3
30°	9665.7	10365.6	11059.1	11733.5	12372.1	12972.1	13542.4	14068.3	14530.3	14930.7	15282.9
27.5°	10242.1	10993.9	11738.1	12458.5	13148.9	13801.0	14423.3	14993.6	15497.8	15932.9	16304.4
25°	10786.8	11594.9	12388.1	13151.9	13889.5	14608.6	15280.6	15903.0	16441.5	16919.2	17300.9
22.5°	11307.2	12169.0	13002.4	13806.0	14594.9	15370.1	16105.7	16755.6	17326.4	17825.8	18248.2
20°	11792.0	12715.5	13568.3	14418.1	15249.1	16076.8	16866.6	17552.3	18156.2	18687.8	19153.4
17.5°	12245.3	13192.6	14090.4	14995.1	15870.9	16739.2	17541.7	18276.7	18928.2	19492.7	19980.5
15°	12628.9	13585.6	14566.1	15532.1	16455.7	17335.0	18136.7	18904.3	19627.7	20238.3	20732.8
12.5°	12939.6	13934.4	14957.4	15982.9	16959.6	17837.7	18677.1	19455.8	20215.6	20901.4	21356.1
10°	13204.3	14228.8	15284.8	16330.6	17320.5	18249.6	19162.1	19985.5	20732.1	21346.3	21853.9
7.5°	13433.3	14488.6	15561.1	16608.6	17595.1	18555.1	19494.5	20369.0	21122.7	21701.3	22154.1
5°	13602.1	14682.5	15775.7	16832.9	17833.2	18796.2	19739.9	20603.4	21339.2	21927.9	22421.7
2.5°	13722.9	14813.4	15914.4	16973.2	17995.6	18961.1	19928.4	20801.5	21514.1	22053.4	22526.3
0°	13800.3	14892.3	16002.0	17085.2	18089.2	19022.7	20061.9	20881.0	21620.7	22157.9	22651.1
-2.5°	13722.9	14813.4	15914.4	16973.2	17995.6	18961.1	19928.4	20801.5	21514.1	22053.4	22526.3
-5°	13602.1	14682.5	15775.7	16832.9	17833.2	18796.2	19739.9	20603.4	21339.2	21927.9	22421.7
-7.5°	13433.3	14488.6	15561.1	16608.6	17595.1	18555.1	19494.5	20369.0	21122.7	21701.3	22154.1
-10°	13204.3	14228.8	15284.8	16330.6	17320.5	18249.6	19162.1	19985.5	20732.1	21346.3	21853.9
-12.5°	12939.6	13934.4	14957.4	15982.9	16959.6	17837.7	18677.1	19455.8	20215.6	20901.4	21356.1
-15°	12628.9	13585.6	14566.1	15532.1	16455.7	17335.0	18136.7	18904.3	19627.7	20238.3	20732.8
-17.5°	12245.3	13192.6	14090.4	14995.1	15870.9	16739.2	17541.7	18276.7	18928.2	19492.7	19980.5
-20°	11792.0	12715.5	13568.3	14418.1	15249.1	16076.8	16866.6	17552.3	18156.2	18687.8	19153.4



REPORT NUMBER: P627761 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11307.2	12169.0	13002.4	13806.0	14594.9	15370.1	16105.7	16755.6	17326.4	17825.8	18248.2
-25°	10786.8	11594.9	12388.1	13151.9	13889.5	14608.6	15280.6	15903.0	16441.5	16919.2	17300.9
-27.5°	10242.1	10993.9	11738.1	12458.5	13148.9	13801.0	14423.3	14993.6	15497.8	15932.9	16304.4
-30°	9665.7	10365.6	11059.1	11733.5	12372.1	12972.1	13542.4	14068.3	14530.3	14930.7	15282.9
-32.5°	9078.4	9724.4	10361.4	10983.3	11574.5	12128.2	12643.2	13140.6	13570.1	13936.2	14250.3
-35°	8471.5	9072.4	9657.6	10222.5	10762.7	11276.3	11751.6	12201.7	12619.3	12952.3	13225.5
-37.5°	7862.2	8409.9	8944.4	9457.8	9952.3	10417.8	10851.9	11247.5	11601.9	11930.6	12197.7
-40°	7255.6	7753.4	8235.9	8694.1	9143.3	9572.9	9974.7	10324.8	10638.8	10927.5	11168.0
-42.5°	6645.9	7100.6	7538.6	7958.9	8351.7	8745.7	9117.2	9449.2	9727.6	9970.7	10174.7
-45°	6044.1	6451.7	6842.8	7228.1	7585.3	7926.0	8256.3	8560.0	8804.1	9017.9	9197.4
-47.5°	5449.4	5812.9	6167.3	6504.3	6828.7	7132.7	7400.4	7644.3	7882.2	8076.2	8229.7
-50°	4876.7	5196.0	5513.5	5807.9	6101.0	6374.5	6621.7	6835.6	7026.5	7191.7	7321.7
-52.5°	4329.2	4608.2	4882.1	5146.8	5401.9	5639.3	5855.0	6039.3	6203.3	6343.9	6456.0
-55°	3828.9	4058.5	4269.3	4501.9	4726.6	4931.2	5111.3	5269.7	5406.6	5521.3	5618.6
-57.5°	3373.7	3557.3	3739.1	3923.5	4097.7	4260.7	4413.3	4547.9	4661.7	4755.1	4833.4
-60°	2952.4	3094.2	3249.7	3398.1	3534.8	3659.6	3783.5	3890.9	3982.8	4059.0	4120.5
-62.5°	2560.4	2685.2	2801.1	2913.5	3023.7	3132.3	3215.6	3291.4	3358.8	3416.8	3462.9
-65°	2183.2	2285.1	2375.3	2458.2	2534.1	2614.0	2679.6	2734.7	2778.9	2815.5	2844.9
-67.5°	1824.5	1904.1	1973.6	2033.0	2091.7	2146.8	2192.1	2229.0	2257.6	2281.9	2300.5
-70°	1506.0	1565.4	1615.3	1663.1	1711.7	1750.7	1780.1	1801.4	1815.0	1823.8	1830.0
-72.5°	1223.2	1278.6	1323.8	1366.1	1401.9	1427.9	1446.5	1460.6	1470.2	1460.6	1443.7
-75°	962.7	1015.8	1067.1	1110.7	1147.1	1163.8	1172.0	1177.7	1181.0	1149.4	1108.0
-77.5°	737.9	792.2	839.8	883.4	923.0	930.5	929.4	927.4	924.1	880.2	827.0
-80°	518.6	561.7	602.5	642.8	682.6	687.1	682.6	674.3	662.7	619.7	570.9
-82.5°	317.7	343.2	367.4	391.5	415.4	421.5	423.4	422.5	419.2	386.3	350.0
-85°	147.1	157.6	167.2	176.5	185.4	193.8	201.6	209.0	215.7	197.0	176.3
-87.5°	28.8	29.7	30.5	31.2	31.9	32.5	33.1	33.6	34.0	32.2	30.3
-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: P627761 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-U-VWR-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°	28.4	26.3	26.4	26.4	26.4	26.3	28.4	30.3	32.2	34.0	33.6
85°	154.4	131.5	123.1	114.5	123.1	131.5	154.4	176.3	197.0	215.7	209.0
82.5°	311.8	272.1	259.5	246.6	259.5	272.1	311.8	350.0	386.3	419.2	422.5
80°	519.4	465.6	444.4	422.7	444.4	465.6	519.4	570.9	619.7	662.7	674.3
77.5°	770.8	711.7	686.4	660.5	686.4	711.7	770.8	827.0	880.2	924.1	927.4
75°	1064.4	1018.1	990.1	959.9	990.1	1018.1	1064.4	1108.0	1149.4	1181.0	1177.7
72.5°	1424.3	1401.7	1381.2	1356.2	1381.2	1401.7	1424.3	1443.7	1460.6	1470.2	1460.6
70°	1832.1	1829.2	1832.9	1831.8	1832.9	1829.2	1832.1	1830.0	1823.8	1815.0	1801.4
67.5°	2310.1	2310.7	2320.6	2325.0	2320.6	2310.7	2310.1	2300.5	2281.9	2257.6	2229.0
65°	2863.0	2869.8	2867.2	2853.4	2867.2	2869.8	2863.0	2844.9	2815.5	2778.9	2734.7
62.5°	3495.7	3514.7	3525.1	3522.7	3525.1	3514.7	3495.7	3462.9	3416.8	3358.8	3291.4
60°	4166.4	4196.2	4211.2	4209.7	4211.2	4196.2	4166.4	4120.5	4059.0	3982.8	3890.9
57.5°	4891.8	4930.0	4939.0	4923.0	4939.0	4930.0	4891.8	4833.4	4755.1	4661.7	4547.9
55°	5692.1	5741.0	5759.8	5750.8	5759.8	5741.0	5692.1	5618.6	5521.3	5406.6	5269.7
52.5°	6538.2	6591.0	6609.8	6596.3	6609.8	6591.0	6538.2	6456.0	6343.9	6203.3	6039.3
50°	7417.1	7481.1	7506.9	7494.6	7506.9	7481.1	7417.1	7321.7	7191.7	7026.5	6835.6
47.5°	8349.9	8435.1	8468.3	8445.7	8468.3	8435.1	8349.9	8229.7	8076.2	7882.2	7644.3
45°	9331.5	9419.9	9454.1	9432.1	9454.1	9419.9	9331.5	9197.4	9017.9	8804.1	8560.0
42.5°	10330.8	10445.6	10494.1	10453.7	10494.1	10445.6	10330.8	10174.7	9970.7	9727.6	9449.2
40°	11347.5	11472.2	11529.6	11501.7	11529.6	11472.2	11347.5	11168.0	10927.5	10638.8	10324.8
37.5°	12390.4	12514.5	12575.4	12576.1	12575.4	12514.5	12390.4	12197.7	11930.6	11601.9	11247.5
35°	13437.2	13587.3	13672.3	13668.2	13672.3	13587.3	13437.2	13225.5	12952.3	12619.3	12201.7
32.5°	14498.6	14661.1	14747.9	14760.2	14747.9	14661.1	14498.6	14250.3	13936.2	13570.1	13140.6
30°	15558.3	15737.0	15837.5	15878.7	15837.5	15737.0	15558.3	15282.9	14930.7	14530.3	14068.3
27.5°	16585.8	16805.8	16957.6	16970.7	16957.6	16805.8	16585.8	16304.4	15932.9	15497.8	14993.6
25°	17581.1	17805.0	17960.6	17992.3	17960.6	17805.0	17581.1	17300.9	16919.2	16441.5	15903.0
22.5°	18562.0	18796.0	18939.7	18996.3	18939.7	18796.0	18562.0	18248.2	17825.8	17326.4	16755.6
20°	19498.4	19752.1	19904.4	19965.0	19904.4	19752.1	19498.4	19153.4	18687.8	18156.2	17552.3
17.5°	20345.5	20613.5	20801.6	20854.5	20801.6	20613.5	20345.5	19980.5	19492.7	18928.2	18276.7
15°	21091.0	21345.2	21523.8	21594.3	21523.8	21345.2	21091.0	20732.8	20238.3	19627.7	18904.3
12.5°	21697.8	21925.2	22065.1	22131.5	22065.1	21925.2	21697.8	21356.1	20901.4	20215.6	19455.8
10°	22171.9	22400.0	22533.6	22624.7	22533.6	22400.0	22171.9	21853.9	21346.3	20732.1	19985.5
7.5°	22583.4	22817.1	22980.5	23109.1	22980.5	22817.1	22583.4	22154.1	21701.3	21122.7	20369.0
5°	22810.5	23200.8	23259.4	23346.9	23259.4	23200.8	22810.5	22421.7	21927.9	21339.2	20603.4
2.5°	22983.7	23260.5	23426.8	23408.5	23426.8	23260.5	22983.7	22526.3	22053.4	21514.1	20801.5
0°	23109.1	23355.7	23417.3	23496.6	23417.3	23355.7	23109.1	22651.1	22157.9	21620.7	20881.0
-2.5°	22983.7	23260.5	23426.8	23408.5	23426.8	23260.5	22983.7	22526.3	22053.4	21514.1	20801.5
-5°	22810.5	23200.8	23259.4	23346.9	23259.4	23200.8	22810.5	22421.7	21927.9	21339.2	20603.4
-7.5°	22583.4	22817.1	22980.5	23109.1	22980.5	22817.1	22583.4	22154.1	21701.3	21122.7	20369.0
-10°	22171.9	22400.0	22533.6	22624.7	22533.6	22400.0	22171.9	21853.9	21346.3	20732.1	19985.5
-12.5°	21697.8	21925.2	22065.1	22131.5	22065.1	21925.2	21697.8	21356.1	20901.4	20215.6	19455.8
-15°	21091.0	21345.2	21523.8	21594.3	21523.8	21345.2	21091.0	20732.8	20238.3	19627.7	18904.3
-17.5°	20345.5	20613.5	20801.6	20854.5	20801.6	20613.5	20345.5	19980.5	19492.7	18928.2	18276.7
-20°	19498.4	19752.1	19904.4	19965.0	19904.4	19752.1	19498.4	19153.4	18687.8	18156.2	17552.3



REPORT NUMBER: P627761 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18562.0	18796.0	18939.7	18996.3	18939.7	18796.0	18562.0	18248.2	17825.8	17326.4	16755.6
-25°	17581.1	17805.0	17960.6	17992.3	17960.6	17805.0	17581.1	17300.9	16919.2	16441.5	15903.0
-27.5°	16585.8	16805.8	16957.6	16970.7	16957.6	16805.8	16585.8	16304.4	15932.9	15497.8	14993.6
-30°	15558.3	15737.0	15837.5	15878.7	15837.5	15737.0	15558.3	15282.9	14930.7	14530.3	14068.3
-32.5°	14498.6	14661.1	14747.9	14760.2	14747.9	14661.1	14498.6	14250.3	13936.2	13570.1	13140.6
-35°	13437.2	13587.3	13672.3	13668.2	13672.3	13587.3	13437.2	13225.5	12952.3	12619.3	12201.7
-37.5°	12390.4	12514.5	12575.4	12576.1	12575.4	12514.5	12390.4	12197.7	11930.6	11601.9	11247.5
-40°	11347.5	11472.2	11529.6	11501.7	11529.6	11472.2	11347.5	11168.0	10927.5	10638.8	10324.8
-42.5°	10330.8	10445.6	10494.1	10453.7	10494.1	10445.6	10330.8	10174.7	9970.7	9727.6	9449.2
-45°	9331.5	9419.9	9454.1	9432.1	9454.1	9419.9	9331.5	9197.4	9017.9	8804.1	8560.0
-47.5°	8349.9	8435.1	8468.3	8445.7	8468.3	8435.1	8349.9	8229.7	8076.2	7882.2	7644.3
-50°	7417.1	7481.1	7506.9	7494.6	7506.9	7481.1	7417.1	7321.7	7191.7	7026.5	6835.6
-52.5°	6538.2	6591.0	6609.8	6596.3	6609.8	6591.0	6538.2	6456.0	6343.9	6203.3	6039.3
-55°	5692.1	5741.0	5759.8	5750.8	5759.8	5741.0	5692.1	5618.6	5521.3	5406.6	5269.7
-57.5°	4891.8	4930.0	4939.0	4923.0	4939.0	4930.0	4891.8	4833.4	4755.1	4661.7	4547.9
-60°	4166.4	4196.2	4211.2	4209.7	4211.2	4196.2	4166.4	4120.5	4059.0	3982.8	3890.9
-62.5°	3495.7	3514.7	3525.1	3522.7	3525.1	3514.7	3495.7	3462.9	3416.8	3358.8	3291.4
-65°	2863.0	2869.8	2867.2	2853.4	2867.2	2869.8	2863.0	2844.9	2815.5	2778.9	2734.7
-67.5°	2310.1	2310.7	2320.6	2325.0	2320.6	2310.7	2310.1	2300.5	2281.9	2257.6	2229.0
-70°	1832.1	1829.2	1832.9	1831.8	1832.9	1829.2	1832.1	1830.0	1823.8	1815.0	1801.4
-72.5°	1424.3	1401.7	1381.2	1356.2	1381.2	1401.7	1424.3	1443.7	1460.6	1470.2	1460.6
-75°	1064.4	1018.1	990.1	959.9	990.1	1018.1	1064.4	1108.0	1149.4	1181.0	1177.7
-77.5°	770.8	711.7	686.4	660.5	686.4	711.7	770.8	827.0	880.2	924.1	927.4
-80°	519.4	465.6	444.4	422.7	444.4	465.6	519.4	570.9	619.7	662.7	674.3
-82.5°	311.8	272.1	259.5	246.6	259.5	272.1	311.8	350.0	386.3	419.2	422.5
-85°	154.4	131.5	123.1	114.5	123.1	131.5	154.4	176.3	197.0	215.7	209.0
-87.5°	28.4	26.3	26.4	26.4	26.4	26.3	28.4	30.3	32.2	34.0	33.6
-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: P627761 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-U-VWR-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°	33.1	32.5	31.9	31.2	30.5	29.7	28.8	27.9	27.0	25.9	24.9
85°	201.6	193.8	185.4	176.5	167.2	157.6	147.1	129.0	112.1	96.4	82.9
82.5°	423.4	421.5	415.4	391.5	367.4	343.2	317.7	279.7	242.5	206.2	174.5
80°	682.6	687.1	682.6	642.8	602.5	561.7	518.6	463.1	406.9	353.6	313.5
77.5°	929.4	930.5	923.0	883.4	839.8	792.2	737.9	671.1	604.2	536.7	485.2
75°	1172.0	1163.8	1147.1	1110.7	1067.1	1015.8	962.7	904.0	835.5	756.7	689.2
72.5°	1446.5	1427.9	1401.9	1366.1	1323.8	1278.6	1223.2	1158.4	1086.7	1008.1	936.9
70°	1780.1	1750.7	1711.7	1663.1	1615.3	1565.4	1506.0	1434.7	1351.2	1264.4	1185.0
67.5°	2192.1	2146.8	2091.7	2033.0	1973.6	1904.1	1824.5	1737.4	1651.2	1554.8	1446.0
65°	2679.6	2614.0	2534.1	2458.2	2375.3	2285.1	2183.2	2082.3	1976.8	1861.0	1722.9
62.5°	3215.6	3132.3	3023.7	2913.5	2801.1	2685.2	2560.4	2436.4	2310.3	2174.0	2018.5
60°	3783.5	3659.6	3534.8	3398.1	3249.7	3094.2	2952.4	2801.6	2642.2	2487.8	2317.4
57.5°	4413.3	4260.7	4097.7	3923.5	3739.1	3557.3	3373.7	3184.0	3003.8	2815.7	2622.7
55°	5111.3	4931.2	4726.6	4501.9	4269.3	4058.5	3828.9	3598.9	3381.8	3153.4	2940.8
52.5°	5855.0	5639.3	5401.9	5146.8	4882.1	4608.2	4329.2	4065.0	3782.4	3524.0	3267.0
50°	6621.7	6374.5	6101.0	5807.9	5513.5	5196.0	4876.7	4559.2	4239.0	3922.1	3614.2
47.5°	7400.4	7132.7	6828.7	6504.3	6167.3	5812.9	5449.4	5067.4	4713.3	4345.7	3995.9
45°	8256.3	7926.0	7585.3	7228.1	6842.8	6451.7	6044.1	5625.9	5199.8	4795.5	4385.3
42.5°	9117.2	8745.7	8351.7	7958.9	7538.6	7100.6	6645.9	6185.1	5716.8	5250.6	4802.4
40°	9974.7	9572.9	9143.3	8694.1	8235.9	7753.4	7255.6	6742.9	6234.5	5721.8	5214.7
37.5°	10851.9	10417.8	9952.3	9457.8	8944.4	8409.9	7862.2	7307.2	6746.5	6194.8	5644.8
35°	11751.6	11276.3	10762.7	10222.5	9657.6	9072.4	8471.5	7863.8	7260.5	6663.8	6068.0
32.5°	12643.2	12128.2	11574.5	10983.3	10361.4	9724.4	9078.4	8422.2	7761.9	7124.7	6490.1
30°	13542.4	12972.1	12372.1	11733.5	11059.1	10365.6	9665.7	8970.5	8266.9	7565.7	6894.3
27.5°	14423.3	13801.0	13148.9	12458.5	11738.1	10993.9	10242.1	9500.0	8749.5	8004.0	7280.1
25°	15280.6	14608.6	13889.5	13151.9	12388.1	11594.9	10786.8	10001.7	9218.0	8420.2	7626.3
22.5°	16105.7	15370.1	14594.9	13806.0	13002.4	12169.0	11307.2	10461.1	9650.2	8793.4	7963.8
20°	16866.6	16076.8	15249.1	14418.1	13568.3	12715.5	11792.0	10892.1	10019.7	9140.1	8269.8
17.5°	17541.7	16739.2	15870.9	14995.1	14090.4	13192.6	12245.3	11284.2	10359.9	9448.1	8539.0
15°	18136.7	17335.0	16455.7	15532.1	14566.1	13585.6	12628.9	11630.8	10669.9	9720.5	8788.0
12.5°	18677.1	17837.7	16959.6	15982.9	14957.4	13934.4	12939.6	11934.4	10945.6	9969.7	9012.0
10°	19162.1	18249.6	17320.5	16330.6	15284.8	14228.8	13204.3	12189.8	11180.2	10183.0	9196.6
7.5°	19494.5	18555.1	17595.1	16608.6	15561.1	14488.6	13433.3	12394.9	11363.1	10352.9	9340.7
5°	19739.9	18796.2	17833.2	16832.9	15775.7	14682.5	13602.1	12543.6	11493.4	10477.2	9443.3
2.5°	19928.4	18961.1	17995.6	16973.2	15914.4	14813.4	13722.9	12655.4	11596.7	10568.3	9534.0
0°	20061.9	19022.7	18089.2	17085.2	16002.0	14892.3	13800.3	12725.8	11660.2	10612.2	9581.8
-2.5°	19928.4	18961.1	17995.6	16973.2	15914.4	14813.4	13722.9	12655.4	11596.7	10568.3	9534.0
-5°	19739.9	18796.2	17833.2	16832.9	15775.7	14682.5	13602.1	12543.6	11493.4	10477.2	9443.3
-7.5°	19494.5	18555.1	17595.1	16608.6	15561.1	14488.6	13433.3	12394.9	11363.1	10352.9	9340.7
-10°	19162.1	18249.6	17320.5	16330.6	15284.8	14228.8	13204.3	12189.8	11180.2	10183.0	9196.6
-12.5°	18677.1	17837.7	16959.6	15982.9	14957.4	13934.4	12939.6	11934.4	10945.6	9969.7	9012.0
-15°	18136.7	17335.0	16455.7	15532.1	14566.1	13585.6	12628.9	11630.8	10669.9	9720.5	8788.0
-17.5°	17541.7	16739.2	15870.9	14995.1	14090.4	13192.6	12245.3	11284.2	10359.9	9448.1	8539.0
-20°	16866.6	16076.8	15249.1	14418.1	13568.3	12715.5	11792.0	10892.1	10019.7	9140.1	8269.8

Classified

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

Scaled Data Report



REPORT NUMBER: P627761 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16105.7	15370.1	14594.9	13806.0	13002.4	12169.0	11307.2	10461.1	9650.2	8793.4	7963.8
-25°	15280.6	14608.6	13889.5	13151.9	12388.1	11594.9	10786.8	10001.7	9218.0	8420.2	7626.3
-27.5°	14423.3	13801.0	13148.9	12458.5	11738.1	10993.9	10242.1	9500.0	8749.5	8004.0	7280.1
-30°	13542.4	12972.1	12372.1	11733.5	11059.1	10365.6	9665.7	8970.5	8266.9	7565.7	6894.3
-32.5°	12643.2	12128.2	11574.5	10983.3	10361.4	9724.4	9078.4	8422.2	7761.9	7124.7	6490.1
-35°	11751.6	11276.3	10762.7	10222.5	9657.6	9072.4	8471.5	7863.8	7260.5	6663.8	6068.0
-37.5°	10851.9	10417.8	9952.3	9457.8	8944.4	8409.9	7862.2	7307.2	6746.5	6194.8	5644.8
-40°	9974.7	9572.9	9143.3	8694.1	8235.9	7753.4	7255.6	6742.9	6234.5	5721.8	5214.7
-42.5°	9117.2	8745.7	8351.7	7958.9	7538.6	7100.6	6645.9	6185.1	5716.8	5250.6	4802.4
-45°	8256.3	7926.0	7585.3	7228.1	6842.8	6451.7	6044.1	5625.9	5199.8	4795.5	4385.3
-47.5°	7400.4	7132.7	6828.7	6504.3	6167.3	5812.9	5449.4	5067.4	4713.3	4345.7	3995.9
-50°	6621.7	6374.5	6101.0	5807.9	5513.5	5196.0	4876.7	4559.2	4239.0	3922.1	3614.2
-52.5°	5855.0	5639.3	5401.9	5146.8	4882.1	4608.2	4329.2	4065.0	3782.4	3524.0	3267.0
-55°	5111.3	4931.2	4726.6	4501.9	4269.3	4058.5	3828.9	3598.9	3381.8	3153.4	2940.8
-57.5°	4413.3	4260.7	4097.7	3923.5	3739.1	3557.3	3373.7	3184.0	3003.8	2815.7	2622.7
-60°	3783.5	3659.6	3534.8	3398.1	3249.7	3094.2	2952.4	2801.6	2642.2	2487.8	2317.4
-62.5°	3215.6	3132.3	3023.7	2913.5	2801.1	2685.2	2560.4	2436.4	2310.3	2174.0	2018.5
-65°	2679.6	2614.0	2534.1	2458.2	2375.3	2285.1	2183.2	2082.3	1976.8	1861.0	1722.9
-67.5°	2192.1	2146.8	2091.7	2033.0	1973.6	1904.1	1824.5	1737.4	1651.2	1554.8	1446.0
-70°	1780.1	1750.7	1711.7	1663.1	1615.3	1565.4	1506.0	1434.7	1351.2	1264.4	1185.0
-72.5°	1446.5	1427.9	1401.9	1366.1	1323.8	1278.6	1223.2	1158.4	1086.7	1008.1	936.9
-75°	1172.0	1163.8	1147.1	1110.7	1067.1	1015.8	962.7	904.0	835.5	756.7	689.2
-77.5°	929.4	930.5	923.0	883.4	839.8	792.2	737.9	671.1	604.2	536.7	485.2
-80°	682.6	687.1	682.6	642.8	602.5	561.7	518.6	463.1	406.9	353.6	313.5
-82.5°	423.4	421.5	415.4	391.5	367.4	343.2	317.7	279.7	242.5	206.2	174.5
-85°	201.6	193.8	185.4	176.5	167.2	157.6	147.1	129.0	112.1	96.4	82.9
-87.5°	33.1	32.5	31.9	31.2	30.5	29.7	28.8	27.9	27.0	25.9	24.9
-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: P627761 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-U-VWR-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°	25.3	25.5	25.5	25.2	22.4	19.8	17.3	14.9	13.5	12.0	10.6
85°	83.2	81.3	76.8	69.7	54.9	39.5	34.4	29.7	26.9	24.1	21.1
82.5°	173.9	175.7	175.5	170.4	150.3	129.2	107.1	84.2	62.4	39.6	31.7
80°	314.0	310.7	303.2	288.9	256.0	218.8	190.8	161.8	133.5	103.8	73.0
77.5°	474.8	461.3	444.6	425.8	390.9	349.9	302.7	249.3	204.1	167.7	129.8
75°	654.4	632.8	609.5	578.2	533.4	482.0	430.2	367.9	298.7	233.5	186.1
72.5°	879.7	827.4	780.7	736.7	688.1	630.8	564.7	484.4	400.4	321.0	246.6
70°	1107.8	1029.5	959.5	899.6	841.0	781.0	708.4	609.5	500.2	406.8	319.2
67.5°	1339.6	1246.9	1153.3	1063.6	989.7	919.0	848.9	733.9	608.6	490.6	390.0
65°	1595.3	1471.6	1352.7	1241.9	1141.6	1053.2	971.0	850.4	713.9	581.2	459.0
62.5°	1858.7	1700.9	1560.1	1418.8	1293.8	1186.4	1087.6	954.6	814.5	668.7	531.0
60°	2135.7	1955.9	1768.7	1603.8	1450.6	1314.7	1195.1	1057.3	908.6	753.0	602.5
57.5°	2427.3	2216.0	2005.6	1797.1	1613.1	1450.1	1299.6	1154.7	1001.1	836.1	669.2
55°	2722.7	2495.2	2246.4	2011.3	1785.6	1591.6	1410.2	1248.2	1090.5	917.8	726.7
52.5°	3018.5	2768.6	2501.5	2230.0	1977.3	1734.6	1531.9	1339.2	1172.7	997.6	786.5
50°	3327.9	3041.3	2755.2	2461.9	2168.1	1902.0	1649.4	1443.6	1252.5	1073.4	843.4
47.5°	3650.0	3330.6	3012.2	2691.7	2376.6	2062.3	1786.6	1545.9	1329.7	1142.0	896.2
45°	4003.0	3629.5	3277.0	2930.4	2574.1	2235.5	1925.5	1643.7	1417.1	1195.4	944.9
42.5°	4355.7	3945.0	3551.2	3165.6	2780.8	2407.5	2057.2	1758.9	1500.7	1246.5	989.7
40°	4731.0	4261.6	3825.0	3406.6	2982.7	2571.2	2203.0	1871.2	1579.1	1299.6	1032.1
37.5°	5095.8	4586.1	4106.3	3636.8	3180.5	2747.9	2343.2	1976.5	1653.4	1359.3	1072.4
35°	5481.9	4912.1	4366.4	3868.5	3384.1	2915.5	2474.4	2082.6	1739.0	1417.4	1110.3
32.5°	5854.9	5230.9	4645.7	4097.0	3578.6	3073.5	2609.5	2194.9	1821.3	1473.8	1145.7
30°	6221.6	5550.9	4913.2	4313.1	3767.0	3239.3	2744.9	2299.9	1899.9	1528.3	1181.2
27.5°	6559.5	5847.2	5169.7	4536.4	3952.1	3396.5	2872.8	2397.3	1974.6	1584.3	1222.4
25°	6874.4	6132.3	5422.5	4751.4	4124.0	3545.4	2990.7	2487.5	2050.5	1642.7	1260.7
22.5°	7169.8	6397.1	5651.7	4949.3	4283.1	3682.2	3105.5	2583.4	2122.4	1696.5	1295.7
20°	7438.3	6635.5	5856.9	5128.8	4437.9	3812.4	3216.0	2669.5	2186.7	1745.2	1327.3
17.5°	7680.2	6853.3	6052.7	5296.5	4582.0	3928.2	3314.1	2745.4	2243.1	1788.7	1355.0
15°	7904.7	7051.4	6225.8	5442.9	4706.9	4028.9	3399.5	2810.8	2291.5	1826.5	1381.5
12.5°	8097.7	7221.3	6372.7	5567.4	4812.0	4114.3	3471.8	2865.6	2331.6	1860.7	1406.4
10°	8256.5	7361.8	6492.7	5669.1	4897.0	4183.8	3530.5	2911.7	2369.3	1890.2	1425.6
7.5°	8380.3	7471.7	6585.1	5747.5	4964.5	4241.8	3580.5	2951.6	2399.6	1912.9	1439.0
5°	8474.0	7557.6	6665.5	5813.2	5026.5	4288.7	3616.8	2980.2	2421.6	1928.5	1446.6
2.5°	8557.3	7621.9	6728.7	5855.9	5068.6	4319.3	3638.7	2997.4	2435.0	1936.8	1448.3
0°	8604.3	7653.1	6763.6	5874.1	5090.3	4333.0	3646.0	3003.1	2439.5	1937.5	1444.3
-2.5°	8557.3	7621.9	6728.7	5855.9	5068.6	4319.3	3638.7	2997.4	2435.0	1936.8	1448.3
-5°	8474.0	7557.6	6665.5	5813.2	5026.5	4288.7	3616.8	2980.2	2421.6	1928.5	1446.6
-7.5°	8380.3	7471.7	6585.1	5747.5	4964.5	4241.8	3580.5	2951.6	2399.6	1912.9	1439.0
-10°	8256.5	7361.8	6492.7	5669.1	4897.0	4183.8	3530.5	2911.7	2369.3	1890.2	1425.6
-12.5°	8097.7	7221.3	6372.7	5567.4	4812.0	4114.3	3471.8	2865.6	2331.6	1860.7	1406.4
-15°	7904.7	7051.4	6225.8	5442.9	4706.9	4028.9	3399.5	2810.8	2291.5	1826.5	1381.5
-17.5°	7680.2	6853.3	6052.7	5296.5	4582.0	3928.2	3314.1	2745.4	2243.1	1788.7	1355.0
-20°	7438.3	6635.5	5856.9	5128.8	4437.9	3812.4	3216.0	2669.5	2186.7	1745.2	1327.3



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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°	7169.8	6397.1	5651.7	4949.3	4283.1	3682.2	3105.5	2583.4	2122.4	1696.5	1295.7
-25°	6874.4	6132.3	5422.5	4751.4	4124.0	3545.4	2990.7	2487.5	2050.5	1642.7	1260.7
-27.5°	6559.5	5847.2	5169.7	4536.4	3952.1	3396.5	2872.8	2397.3	1974.6	1584.3	1222.4
-30°	6221.6	5550.9	4913.2	4313.1	3767.0	3239.3	2744.9	2299.9	1899.9	1528.3	1181.2
-32.5°	5854.9	5230.9	4645.7	4097.0	3578.6	3073.5	2609.5	2194.9	1821.3	1473.8	1145.7
-35°	5481.9	4912.1	4366.4	3868.5	3384.1	2915.5	2474.4	2082.6	1739.0	1417.4	1110.3
-37.5°	5095.8	4586.1	4106.3	3636.8	3180.5	2747.9	2343.2	1976.5	1653.4	1359.3	1072.4
-40°	4731.0	4261.6	3825.0	3406.6	2982.7	2571.2	2203.0	1871.2	1579.1	1299.6	1032.1
-42.5°	4355.7	3945.0	3551.2	3165.6	2780.8	2407.5	2057.2	1758.9	1500.7	1246.5	989.7
-45°	4003.0	3629.5	3277.0	2930.4	2574.1	2235.5	1925.5	1643.7	1417.1	1195.4	944.9
-47.5°	3650.0	3330.6	3012.2	2691.7	2376.6	2062.3	1786.6	1545.9	1329.7	1142.0	896.2
-50°	3327.9	3041.3	2755.2	2461.9	2168.1	1902.0	1649.4	1443.6	1252.5	1073.4	843.4
-52.5°	3018.5	2768.6	2501.5	2230.0	1977.3	1734.6	1531.9	1339.2	1172.7	997.6	786.5
-55°	2722.7	2495.2	2246.4	2011.3	1785.6	1591.6	1410.2	1248.2	1090.5	917.8	726.7
-57.5°	2427.3	2216.0	2005.6	1797.1	1613.1	1450.1	1299.6	1154.7	1001.1	836.1	669.2
-60°	2135.7	1955.9	1768.7	1603.8	1450.6	1314.7	1195.1	1057.3	908.6	753.0	602.5
-62.5°	1858.7	1700.9	1560.1	1418.8	1293.8	1186.4	1087.6	954.6	814.5	668.7	531.0
-65°	1595.3	1471.6	1352.7	1241.9	1141.6	1053.2	971.0	850.4	713.9	581.2	459.0
-67.5°	1339.6	1246.9	1153.3	1063.6	989.7	919.0	848.9	733.9	608.6	490.6	390.0
-70°	1107.8	1029.5	959.5	899.6	841.0	781.0	708.4	609.5	500.2	406.8	319.2
-72.5°	879.7	827.4	780.7	736.7	688.1	630.8	564.7	484.4	400.4	321.0	246.6
-75°	654.4	632.8	609.5	578.2	533.4	482.0	430.2	367.9	298.7	233.5	186.1
-77.5°	474.8	461.3	444.6	425.8	390.9	349.9	302.7	249.3	204.1	167.7	129.8
-80°	314.0	310.7	303.2	288.9	256.0	218.8	190.8	161.8	133.5	103.8	73.0
-82.5°	173.9	175.7	175.5	170.4	150.3	129.2	107.1	84.2	62.4	39.6	31.7
-85°	83.2	81.3	76.8	69.7	54.9	39.5	34.4	29.7	26.9	24.1	21.1
-87.5°	25.3	25.5	25.5	25.2	22.4	19.8	17.3	14.9	13.5	12.0	10.6
-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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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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REPORT NUMBER: P627761 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	9.1	7.6	6.1	4.6	3.1	1.3	0.0
85°	18.2	15.2	12.2	9.2	6.1	2.7	0.0
82.5°	27.3	22.8	18.3	13.7	9.2	4.0	0.0
80°	41.0	30.3	24.3	18.3	12.2	5.3	0.0
77.5°	89.4	47.5	30.3	22.8	15.1	6.6	0.0
75°	136.6	82.3	39.5	27.3	18.0	7.9	0.0
72.5°	182.4	116.1	63.0	31.7	20.9	9.2	0.0
70°	228.1	148.6	85.7	37.9	23.7	10.4	0.0
67.5°	283.0	179.8	107.6	52.0	26.4	11.7	0.0
65°	335.4	214.7	128.4	65.5	29.0	12.8	0.0
62.5°	385.3	253.0	148.2	78.4	31.6	14.0	0.0
60°	432.2	289.2	166.8	90.6	34.0	15.1	0.0
57.5°	481.7	323.1	191.5	102.1	40.9	16.2	0.0
55°	528.5	354.7	215.1	112.7	47.5	17.2	0.0
52.5°	571.9	384.7	237.0	122.6	54.0	18.2	0.0
50°	611.6	416.6	257.2	131.6	60.1	19.1	0.0
47.5°	648.8	445.7	275.7	141.0	66.0	20.0	0.0
45°	690.3	472.0	292.2	153.3	71.6	20.9	0.0
42.5°	728.2	495.3	306.9	164.3	76.9	21.7	0.0
40°	762.7	515.7	321.6	175.7	81.9	22.4	0.0
37.5°	793.5	533.1	336.3	186.9	86.5	23.1	0.0
35°	820.7	553.2	348.8	197.3	90.9	23.7	0.0
32.5°	845.9	573.4	359.3	206.9	94.8	24.3	0.0
30°	872.0	590.6	367.7	215.7	98.5	24.8	0.0
27.5°	895.5	604.8	380.3	223.7	101.8	25.2	0.0
25°	916.2	616.1	392.1	230.8	104.7	25.6	0.0
22.5°	933.9	627.5	402.5	237.1	107.3	25.9	0.0
20°	948.5	643.0	411.5	242.6	109.5	26.2	0.0
17.5°	966.8	655.8	419.0	247.1	111.4	26.4	0.0
15°	985.8	665.7	425.1	250.9	112.9	26.6	0.0
12.5°	1001.3	672.8	429.7	253.7	114.0	26.7	0.0
10°	1013.1	677.3	432.9	255.8	114.8	26.8	0.0
7.5°	1021.1	679.0	434.6	256.9	115.3	26.7	0.0
5°	1025.3	678.2	435.0	257.2	115.4	26.7	0.0
2.5°	1025.4	675.0	433.9	256.7	115.1	26.6	0.0
0°	1021.6	669.3	431.5	255.4	114.5	26.4	0.0
-2.5°	1025.4	675.0	433.9	256.7	115.1	26.6	0.0
-5°	1025.3	678.2	435.0	257.2	115.4	26.7	0.0
-7.5°	1021.1	679.0	434.6	256.9	115.3	26.7	0.0
-10°	1013.1	677.3	432.9	255.8	114.8	26.8	0.0
-12.5°	1001.3	672.8	429.7	253.7	114.0	26.7	0.0
-15°	985.8	665.7	425.1	250.9	112.9	26.6	0.0
-17.5°	966.8	655.8	419.0	247.1	111.4	26.4	0.0
-20°	948.5	643.0	411.5	242.6	109.5	26.2	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	933.9	627.5	402.5	237.1	107.3	25.9	0.0
-25°	916.2	616.1	392.1	230.8	104.7	25.6	0.0
-27.5°	895.5	604.8	380.3	223.7	101.8	25.2	0.0
-30°	872.0	590.6	367.7	215.7	98.5	24.8	0.0
-32.5°	845.9	573.4	359.3	206.9	94.8	24.3	0.0
-35°	820.7	553.2	348.8	197.3	90.9	23.7	0.0
-37.5°	793.5	533.1	336.3	186.9	86.5	23.1	0.0
-40°	762.7	515.7	321.6	175.7	81.9	22.4	0.0
-42.5°	728.2	495.3	306.9	164.3	76.9	21.7	0.0
-45°	690.3	472.0	292.2	153.3	71.6	20.9	0.0
-47.5°	648.8	445.7	275.7	141.0	66.0	20.0	0.0
-50°	611.6	416.6	257.2	131.6	60.1	19.1	0.0
-52.5°	571.9	384.7	237.0	122.6	54.0	18.2	0.0
-55°	528.5	354.7	215.1	112.7	47.5	17.2	0.0
-57.5°	481.7	323.1	191.5	102.1	40.9	16.2	0.0
-60°	432.2	289.2	166.8	90.6	34.0	15.1	0.0
-62.5°	385.3	253.0	148.2	78.4	31.6	14.0	0.0
-65°	335.4	214.7	128.4	65.5	29.0	12.8	0.0
-67.5°	283.0	179.8	107.6	52.0	26.4	11.7	0.0
-70°	228.1	148.6	85.7	37.9	23.7	10.4	0.0
-72.5°	182.4	116.1	63.0	31.7	20.9	9.2	0.0
-75°	136.6	82.3	39.5	27.3	18.0	7.9	0.0
-77.5°	89.4	47.5	30.3	22.8	15.1	6.6	0.0
-80°	41.0	30.3	24.3	18.3	12.2	5.3	0.0
-82.5°	27.3	22.8	18.3	13.7	9.2	4.0	0.0
-85°	18.2	15.2	12.2	9.2	6.1	2.7	0.0
-87.5°	9.1	7.6	6.1	4.6	3.1	1.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)