

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: P627633 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-730-U-WR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
 Report Number: P627633 (CONVERTED FROM TYPE C PHOTOMETRY)
 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-1)
 Test Lab: COOPER LIGHTING SOLUTIONS
 Issue Date: 12/7/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: MCGRAW-EDISON
 Catalog Number: GFLD-SA5C-730-U-WR-XX
 Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N117
 Light Source: (80) 3000K CCT, 70 CRI LEDS
 Ballast/Driver: -

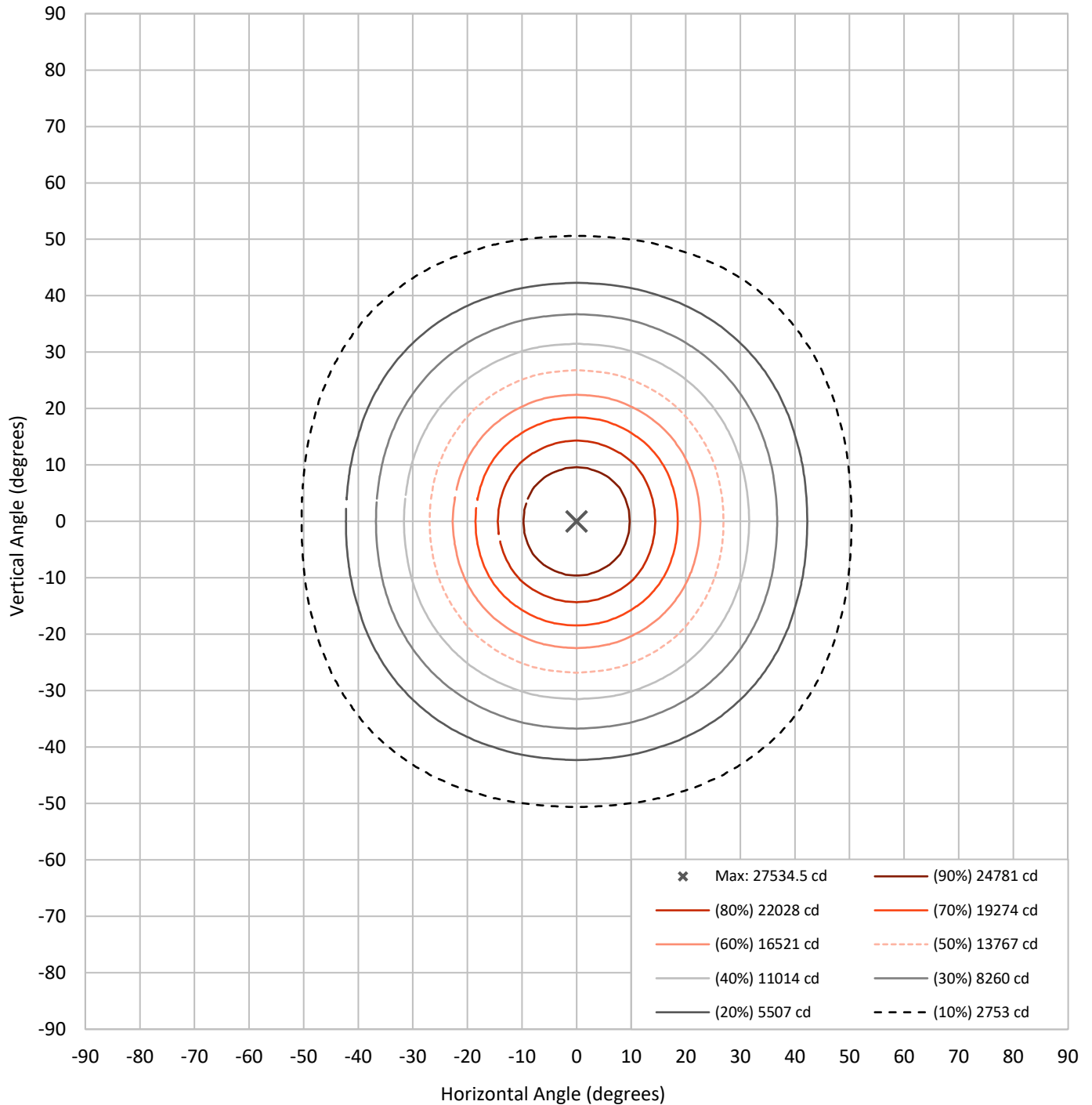
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	28023.6 lumens	Max Intensity:	27534.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	136.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	53.8°H x 53.6°V	Field Angle (10%):	100.8°H x 101.2°V
Beam Lumens:	13399.2 lumens	Field Lumens:	24731.9 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	206.1		
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





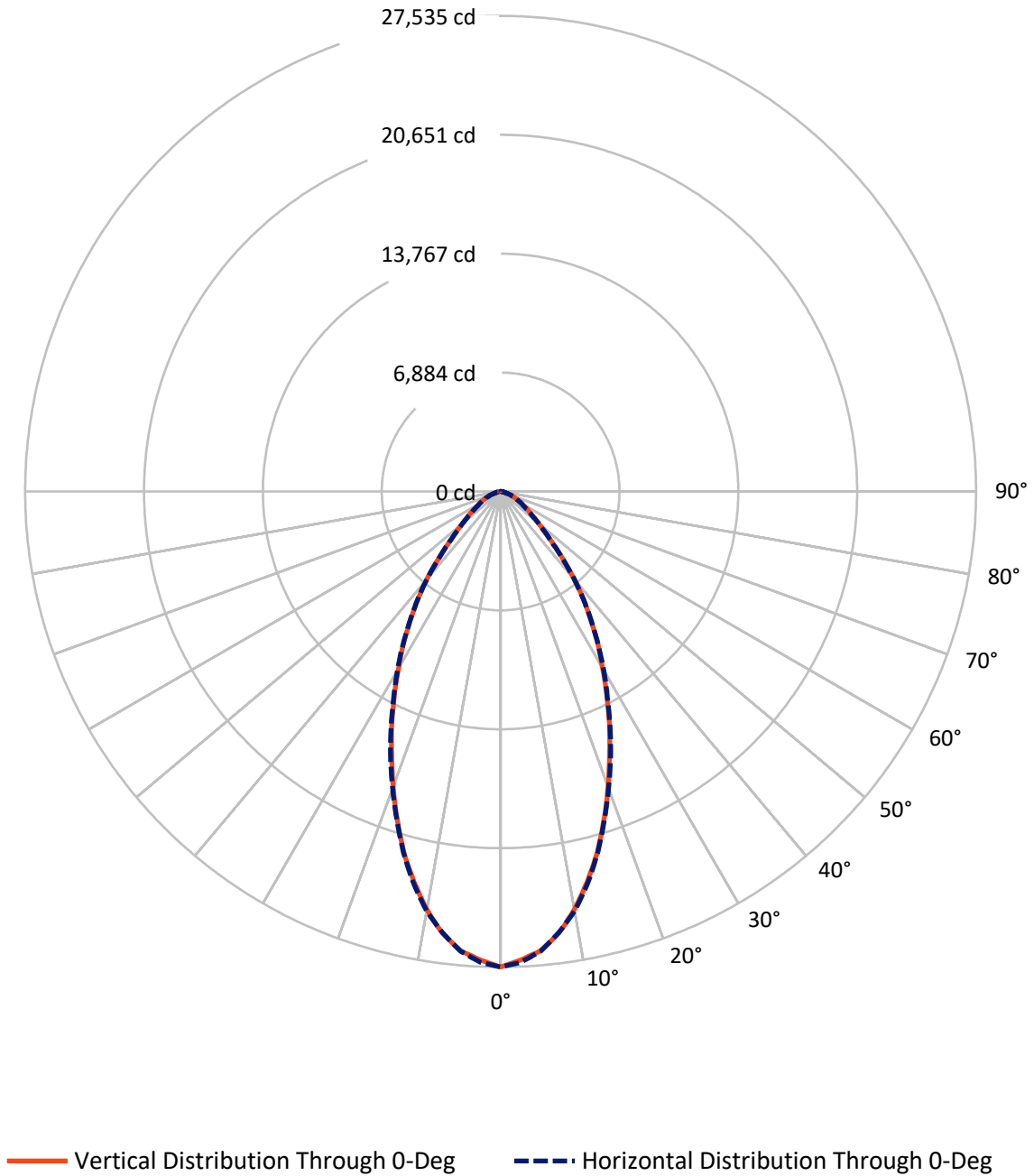
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Lumen Table

90																			
80	1.1	7.7		17.6		29.3		25.1		29.3		17.6		7.7		1.1			
70																			
60	3.6	4.3	8.0	12.9	18.7	24.3	28.5	30.5	30.5	28.5	24.3	18.7	12.9	8.0	4.3	3.6			
50		6.0	12.2	21.0	32.3	44.4	55.4	61.7	61.7	55.4	44.4	32.3	21.0	12.2	6.0				
40	5.4	7.7	16.8	31.4	52.9	81.3	112.1	132.7	132.7	112.1	81.3	52.9	31.4	16.8	7.7	5.4			
30		9.4	22.0	45.6	88.8	157.7	229.1	271.8	271.8	229.1	157.7	88.8	45.6	22.0	9.4				
20	6.3	11.0	27.4	63.9	143.6	258.1	369.3	441.5	441.5	369.3	258.1	143.6	63.9	27.4	11.0	6.3			
10		12.2	32.1	82.8	196.0	348.5	514.6	633.0	633.0	514.6	348.5	196.0	82.8	32.1	12.2				
0	6.7	12.8	34.8	95.1	225.6	405.2	616.6	775.4	775.4	616.6	405.2	225.6	95.1	34.8	12.8	6.7			
-10		12.8	34.8	95.1	225.6	405.2	616.6	775.4	775.4	616.6	405.2	225.6	95.1	34.8	12.8				
-20	6.3	12.2	32.1	82.8	196.0	348.5	514.6	633.0	633.0	514.6	348.5	196.0	82.8	32.1	12.2	6.3			
-30		11.0	27.4	63.9	143.6	258.1	369.3	441.5	441.5	369.3	258.1	143.6	63.9	27.4	11.0				
-40	5.4	9.4	22.0	45.6	88.8	157.7	229.1	271.8	271.8	229.1	157.7	88.8	45.6	22.0	9.4	5.4			
-50		7.7	16.8	31.4	52.9	81.3	112.1	132.7	132.7	112.1	81.3	52.9	31.4	16.8	7.7				
-60	3.6	6.0	12.2	21.0	32.3	44.4	55.4	61.7	61.7	55.4	44.4	32.3	21.0	12.2	6.0	3.6			
-70		4.3	8.0	12.9	18.7	24.3	28.5	30.5	30.5	28.5	24.3	18.7	12.9	8.0	4.3				
-80																			
-90	1.1	7.7		17.6		29.3		25.1		29.3		17.6		7.7		1.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

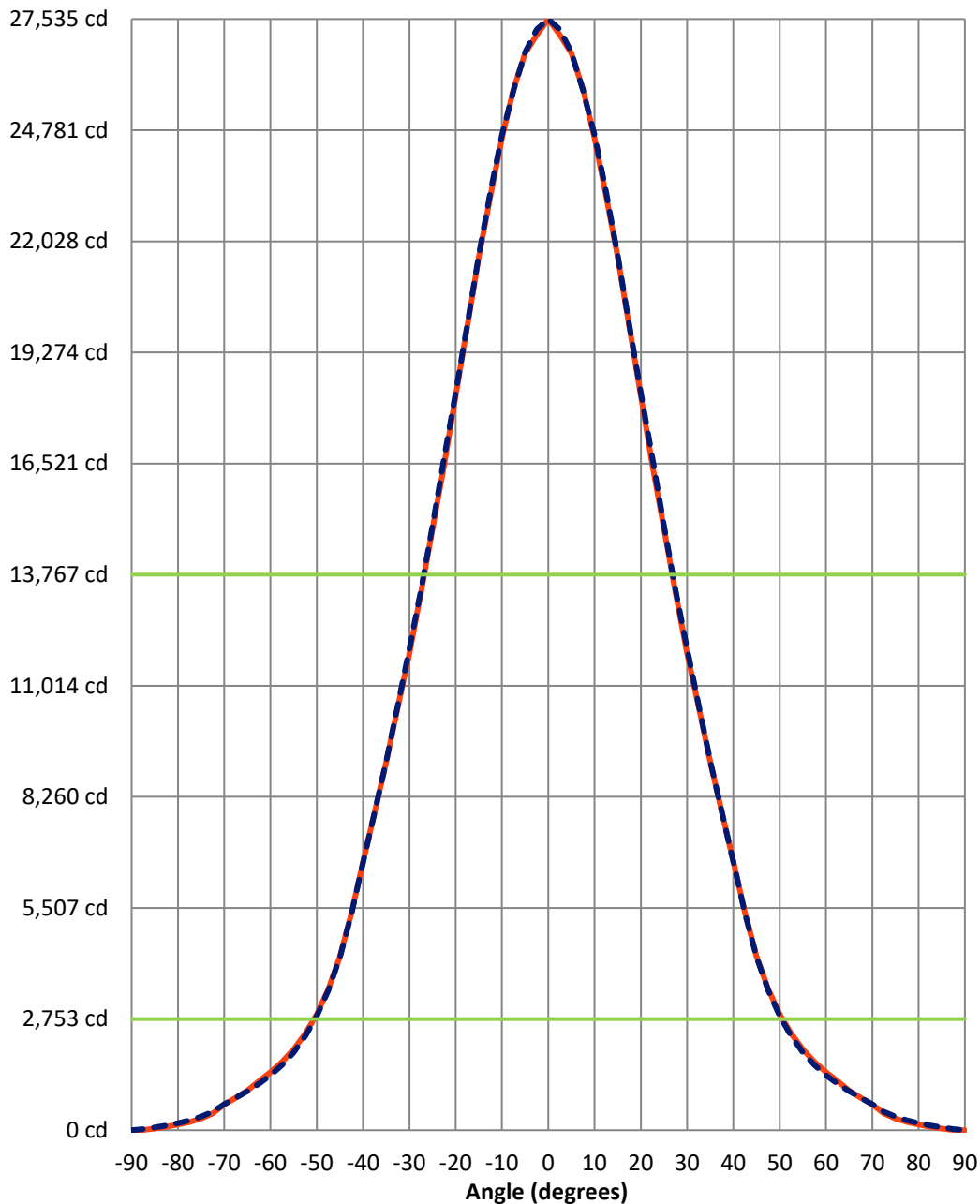
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 53.8°
 V Angle: 53.6°
 Lumens: 13399.2
 Efficiency: 47.8%

Field:
 H Angle: 100.8°
 V Angle: 101.2°
 Lumens: 24731.9
 Efficiency: 88.3%

Spill:
 Lumens: 3291.8
 Efficiency: 11.7%

- 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	1.4	3.2	5.3	7.6	10.2	13.1	14.5	15.6	16.6	17.3
85°	0.0	2.8	6.4	10.5	15.2	20.4	26.1	29.0	31.3	33.2	34.6
82.5°	0.0	4.2	9.6	15.7	22.7	30.5	39.1	43.5	47.9	55.5	62.3
80°	0.0	5.6	12.8	20.9	30.1	40.5	53.1	65.9	77.1	87.2	96.0
77.5°	0.0	6.9	15.9	26.0	37.5	52.6	75.7	92.4	106.3	118.8	131.2
75°	0.0	8.3	19.0	31.0	45.4	68.8	97.8	118.8	135.5	152.4	170.6
72.5°	0.0	9.6	22.0	35.9	56.2	84.5	119.1	144.7	164.8	186.4	209.3
70°	0.0	10.9	24.9	41.1	66.6	99.5	139.3	169.1	193.6	219.7	250.5
67.5°	0.0	12.1	27.7	47.4	76.6	113.9	156.9	193.1	221.7	254.2	291.1
65°	0.0	13.4	30.5	53.5	86.1	127.1	173.6	216.5	249.6	287.5	329.6
62.5°	0.0	14.6	33.1	59.3	95.1	139.2	189.4	238.6	276.3	319.3	365.4
60°	0.0	15.7	35.7	64.8	103.5	150.5	204.1	259.7	301.7	350.2	400.1
57.5°	0.0	16.8	38.7	69.8	111.3	161.1	217.5	278.6	327.5	380.0	432.1
55°	0.0	17.9	41.7	74.5	118.5	170.8	229.8	293.7	352.7	408.6	462.7
52.5°	0.0	18.9	44.6	78.8	125.2	179.7	241.1	310.1	377.0	435.8	492.7
50°	0.0	19.9	47.3	82.7	131.2	187.9	251.3	325.6	400.3	462.4	525.5
47.5°	0.0	20.8	49.9	86.2	136.6	195.3	260.8	339.6	423.4	488.2	557.7
45°	0.0	21.7	52.4	89.7	141.4	201.9	271.5	352.3	439.9	516.2	588.8
42.5°	0.0	22.5	54.7	92.8	145.5	207.6	281.0	364.7	455.0	543.1	621.1
40°	0.0	23.2	56.9	96.2	149.2	212.4	289.4	376.7	470.0	568.1	652.3
37.5°	0.0	23.9	59.0	99.7	152.5	216.3	296.5	387.5	486.4	587.9	681.9
35°	0.0	24.6	60.8	102.9	155.2	220.7	302.4	397.2	502.1	609.6	712.2
32.5°	0.0	25.2	62.6	105.8	157.2	224.9	307.9	405.7	517.1	631.6	743.2
30°	0.0	25.7	64.2	108.4	158.7	228.2	313.9	414.0	531.2	653.9	772.4
27.5°	0.0	26.1	65.6	110.8	162.0	230.5	318.9	424.2	545.9	676.2	799.7
25°	0.0	26.5	66.8	112.8	165.3	231.9	322.7	433.4	562.4	698.2	825.3
22.5°	0.0	26.9	67.9	114.5	168.2	233.7	325.4	441.5	578.2	718.3	853.3
20°	0.0	27.1	68.8	115.9	170.7	237.9	327.0	448.3	593.0	736.4	878.3
17.5°	0.0	27.3	69.6	117.1	172.7	241.4	330.7	453.8	606.6	752.3	900.3
15°	0.0	27.5	70.1	117.9	174.4	244.1	335.1	459.0	618.9	766.1	919.1
12.5°	0.0	27.6	70.6	118.4	175.6	246.1	338.3	463.7	629.3	777.6	934.9
10°	0.0	27.6	70.8	118.7	176.4	247.4	340.3	466.3	637.4	787.1	947.6
7.5°	0.0	27.6	70.9	118.6	176.7	247.9	341.1	466.9	643.0	794.5	957.5
5°	0.0	27.5	70.8	118.3	176.6	247.7	340.8	465.5	646.1	799.5	964.1
2.5°	0.0	27.4	70.5	117.7	176.1	246.8	339.3	462.3	646.5	802.0	967.3
0°	0.0	27.2	70.1	116.8	175.1	245.2	336.7	457.3	644.1	801.8	967.2
-2.5°	0.0	27.4	70.5	117.7	176.1	246.8	339.3	462.3	646.5	802.0	967.3
-5°	0.0	27.5	70.8	118.3	176.6	247.7	340.8	465.5	646.1	799.5	964.1
-7.5°	0.0	27.6	70.9	118.6	176.7	247.9	341.1	466.9	643.0	794.5	957.5
-10°	0.0	27.6	70.8	118.7	176.4	247.4	340.3	466.3	637.4	787.1	947.6
-12.5°	0.0	27.6	70.6	118.4	175.6	246.1	338.3	463.7	629.3	777.6	934.9
-15°	0.0	27.5	70.1	117.9	174.4	244.1	335.1	459.0	618.9	766.1	919.1
-17.5°	0.0	27.3	69.6	117.1	172.7	241.4	330.7	453.8	606.6	752.3	900.3
-20°	0.0	27.1	68.8	115.9	170.7	237.9	327.0	448.3	593.0	736.4	878.3

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CATALOG NUMBER: GFLD-SA5C-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	26.9	67.9	114.5	168.2	233.7	325.4	441.5	578.2	718.3	853.3
-25°	0.0	26.5	66.8	112.8	165.3	231.9	322.7	433.4	562.4	698.2	825.3
-27.5°	0.0	26.1	65.6	110.8	162.0	230.5	318.9	424.2	545.9	676.2	799.7
-30°	0.0	25.7	64.2	108.4	158.7	228.2	313.9	414.0	531.2	653.9	772.4
-32.5°	0.0	25.2	62.6	105.8	157.2	224.9	307.9	405.7	517.1	631.6	743.2
-35°	0.0	24.6	60.8	102.9	155.2	220.7	302.4	397.2	502.1	609.6	712.2
-37.5°	0.0	23.9	59.0	99.7	152.5	216.3	296.5	387.5	486.4	587.9	681.9
-40°	0.0	23.2	56.9	96.2	149.2	212.4	289.4	376.7	470.0	568.1	652.3
-42.5°	0.0	22.5	54.7	92.8	145.5	207.6	281.0	364.7	455.0	543.1	621.1
-45°	0.0	21.7	52.4	89.7	141.4	201.9	271.5	352.3	439.9	516.2	588.8
-47.5°	0.0	20.8	49.9	86.2	136.6	195.3	260.8	339.6	423.4	488.2	557.7
-50°	0.0	19.9	47.3	82.7	131.2	187.9	251.3	325.6	400.3	462.4	525.5
-52.5°	0.0	18.9	44.6	78.8	125.2	179.7	241.1	310.1	377.0	435.8	492.7
-55°	0.0	17.9	41.7	74.5	118.5	170.8	229.8	293.7	352.7	408.6	462.7
-57.5°	0.0	16.8	38.7	69.8	111.3	161.1	217.5	278.6	327.5	380.0	432.1
-60°	0.0	15.7	35.7	64.8	103.5	150.5	204.1	259.7	301.7	350.2	400.1
-62.5°	0.0	14.6	33.1	59.3	95.1	139.2	189.4	238.6	276.3	319.3	365.4
-65°	0.0	13.4	30.5	53.5	86.1	127.1	173.6	216.5	249.6	287.5	329.6
-67.5°	0.0	12.1	27.7	47.4	76.6	113.9	156.9	193.1	221.7	254.2	291.1
-70°	0.0	10.9	24.9	41.1	66.6	99.5	139.3	169.1	193.6	219.7	250.5
-72.5°	0.0	9.6	22.0	35.9	56.2	84.5	119.1	144.7	164.8	186.4	209.3
-75°	0.0	8.3	19.0	31.0	45.4	68.8	97.8	118.8	135.5	152.4	170.6
-77.5°	0.0	6.9	15.9	26.0	37.5	52.6	75.7	92.4	106.3	118.8	131.2
-80°	0.0	5.6	12.8	20.9	30.1	40.5	53.1	65.9	77.1	87.2	96.0
-82.5°	0.0	4.2	9.6	15.7	22.7	30.5	39.1	43.5	47.9	55.5	62.3
-85°	0.0	2.8	6.4	10.5	15.2	20.4	26.1	29.0	31.3	33.2	34.6
-87.5°	0.0	1.4	3.2	5.3	7.6	10.2	13.1	14.5	15.6	16.6	17.3
-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°	17.5	17.5	17.3	16.8	16.0	15.0	13.8	12.4	12.9	13.4	13.9
85°	35.1	35.1	38.0	40.7	41.9	42.1	41.3	39.5	44.6	50.5	56.7
82.5°	68.5	74.5	80.1	85.3	85.9	84.5	81.9	78.9	89.3	101.9	115.0
80°	105.0	113.8	123.9	133.3	135.5	134.5	131.6	126.8	140.6	160.0	180.9
77.5°	145.8	159.6	172.6	184.5	188.0	187.5	185.3	181.4	198.9	225.8	253.8
75°	188.7	205.5	222.2	236.9	243.2	243.7	243.0	247.1	270.1	301.5	329.3
72.5°	233.4	254.9	273.7	289.9	300.0	307.7	317.9	330.4	353.6	384.5	411.7
70°	280.8	304.6	324.5	342.4	357.8	374.6	396.2	417.5	441.9	472.8	501.1
67.5°	327.5	351.6	374.1	396.1	424.2	451.2	478.0	505.9	536.7	569.1	597.7
65°	370.8	398.1	425.4	457.4	494.0	524.5	557.6	593.8	634.2	670.7	703.9
62.5°	412.3	443.1	477.0	515.6	555.2	593.4	637.8	684.4	731.6	777.3	822.7
60°	447.4	485.8	526.8	570.5	616.2	668.2	720.2	775.7	832.1	887.1	943.3
57.5°	481.2	528.6	575.9	626.7	683.7	743.2	805.6	868.1	935.5	1002.2	1065.9
55°	516.2	572.0	625.9	686.1	751.4	821.3	891.8	967.6	1042.0	1125.9	1203.3
52.5°	553.6	614.3	677.6	746.6	822.8	901.6	984.3	1071.2	1163.9	1257.1	1351.7
50°	590.1	658.5	729.0	811.5	896.8	986.8	1082.2	1183.5	1291.3	1399.3	1513.8
47.5°	628.2	701.3	787.3	876.9	974.6	1077.1	1185.2	1305.5	1425.4	1561.4	1692.7
45°	665.9	749.9	843.3	947.4	1054.6	1170.0	1298.5	1430.7	1583.8	1737.3	1909.8
42.5°	702.0	798.9	904.3	1015.5	1137.6	1270.2	1412.4	1578.7	1751.3	1941.3	2143.8
40°	743.5	845.7	964.5	1088.8	1221.0	1372.6	1543.8	1728.4	1938.9	2164.0	2394.0
37.5°	783.7	898.6	1023.8	1158.6	1312.1	1482.9	1671.9	1898.1	2141.0	2397.0	2709.9
35°	821.5	948.9	1084.9	1232.6	1398.9	1596.7	1822.8	2072.8	2352.8	2682.8	3048.0
32.5°	861.6	996.5	1142.6	1308.4	1496.5	1712.6	1969.5	2263.7	2595.0	2970.9	3427.7
30°	902.0	1045.5	1199.9	1379.3	1588.6	1838.7	2130.5	2455.7	2836.8	3308.3	3844.5
27.5°	939.4	1091.3	1260.4	1454.4	1678.2	1955.0	2285.3	2666.5	3115.5	3648.3	4274.7
25°	973.7	1133.0	1316.1	1526.0	1776.9	2080.5	2438.6	2860.8	3394.2	4029.6	4800.2
22.5°	1006.5	1171.0	1366.3	1590.3	1865.9	2202.0	2605.0	3088.1	3677.8	4390.8	5315.0
20°	1037.1	1212.1	1416.3	1651.8	1945.4	2311.7	2758.0	3300.3	3971.4	4815.5	5819.9
17.5°	1064.1	1248.3	1463.5	1718.4	2034.0	2423.1	2902.4	3487.7	4232.7	5194.7	6285.7
15°	1087.3	1279.6	1504.4	1776.0	2113.8	2533.9	3053.8	3693.1	4505.3	5539.6	6694.7
12.5°	1106.6	1305.8	1538.7	1824.5	2180.8	2627.6	3183.1	3876.2	4770.9	5864.5	7053.8
10°	1122.0	1326.7	1566.4	1863.7	2234.9	2703.7	3289.7	4026.0	4991.8	6142.9	7357.5
7.5°	1134.8	1343.1	1587.6	1893.4	2275.8	2761.7	3372.6	4141.7	5164.5	6363.4	7590.6
5°	1143.9	1354.9	1603.7	1914.1	2305.8	2802.3	3430.7	4222.5	5287.3	6523.1	7750.0
2.5°	1149.0	1361.2	1612.9	1925.2	2324.2	2825.2	3461.1	4273.2	5354.8	6614.3	7846.4
0°	1150.1	1362.2	1615.2	1926.6	2329.4	2829.5	3465.9	4289.1	5369.1	6637.9	7881.4
-2.5°	1149.0	1361.2	1612.9	1925.2	2324.2	2825.2	3461.1	4273.2	5354.8	6614.3	7846.4
-5°	1143.9	1354.9	1603.7	1914.1	2305.8	2802.3	3430.7	4222.5	5287.3	6523.1	7750.0
-7.5°	1134.8	1343.1	1587.6	1893.4	2275.8	2761.7	3372.6	4141.7	5164.5	6363.4	7590.6
-10°	1122.0	1326.7	1566.4	1863.7	2234.9	2703.7	3289.7	4026.0	4991.8	6142.9	7357.5
-12.5°	1106.6	1305.8	1538.7	1824.5	2180.8	2627.6	3183.1	3876.2	4770.9	5864.5	7053.8
-15°	1087.3	1279.6	1504.4	1776.0	2113.8	2533.9	3053.8	3693.1	4505.3	5539.6	6694.7
-17.5°	1064.1	1248.3	1463.5	1718.4	2034.0	2423.1	2902.4	3487.7	4232.7	5194.7	6285.7
-20°	1037.1	1212.1	1416.3	1651.8	1945.4	2311.7	2758.0	3300.3	3971.4	4815.5	5819.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627633 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1006.5	1171.0	1366.3	1590.3	1865.9	2202.0	2605.0	3088.1	3677.8	4390.8	5315.0
-25°	973.7	1133.0	1316.1	1526.0	1776.9	2080.5	2438.6	2860.8	3394.2	4029.6	4800.2
-27.5°	939.4	1091.3	1260.4	1454.4	1678.2	1955.0	2285.3	2666.5	3115.5	3648.3	4274.7
-30°	902.0	1045.5	1199.9	1379.3	1588.6	1838.7	2130.5	2455.7	2836.8	3308.3	3844.5
-32.5°	861.6	996.5	1142.6	1308.4	1496.5	1712.6	1969.5	2263.7	2595.0	2970.9	3427.7
-35°	821.5	948.9	1084.9	1232.6	1398.9	1596.7	1822.8	2072.8	2352.8	2682.8	3048.0
-37.5°	783.7	898.6	1023.8	1158.6	1312.1	1482.9	1671.9	1898.1	2141.0	2397.0	2709.9
-40°	743.5	845.7	964.5	1088.8	1221.0	1372.6	1543.8	1728.4	1938.9	2164.0	2394.0
-42.5°	702.0	798.9	904.3	1015.5	1137.6	1270.2	1412.4	1578.7	1751.3	1941.3	2143.8
-45°	665.9	749.9	843.3	947.4	1054.6	1170.0	1298.5	1430.7	1583.8	1737.3	1909.8
-47.5°	628.2	701.3	787.3	876.9	974.6	1077.1	1185.2	1305.5	1425.4	1561.4	1692.7
-50°	590.1	658.5	729.0	811.5	896.8	986.8	1082.2	1183.5	1291.3	1399.3	1513.8
-52.5°	553.6	614.3	677.6	746.6	822.8	901.6	984.3	1071.2	1163.9	1257.1	1351.7
-55°	516.2	572.0	625.9	686.1	751.4	821.3	891.8	967.6	1042.0	1125.9	1203.3
-57.5°	481.2	528.6	575.9	626.7	683.7	743.2	805.6	868.1	935.5	1002.2	1065.9
-60°	447.4	485.8	526.8	570.5	616.2	668.2	720.2	775.7	832.1	887.1	943.3
-62.5°	412.3	443.1	477.0	515.6	555.2	593.4	637.8	684.4	731.6	777.3	822.7
-65°	370.8	398.1	425.4	457.4	494.0	524.5	557.6	593.8	634.2	670.7	703.9
-67.5°	327.5	351.6	374.1	396.1	424.2	451.2	478.0	505.9	536.7	569.1	597.7
-70°	280.8	304.6	324.5	342.4	357.8	374.6	396.2	417.5	441.9	472.8	501.1
-72.5°	233.4	254.9	273.7	289.9	300.0	307.7	317.9	330.4	353.6	384.5	411.7
-75°	188.7	205.5	222.2	236.9	243.2	243.7	243.0	247.1	270.1	301.5	329.3
-77.5°	145.8	159.6	172.6	184.5	188.0	187.5	185.3	181.4	198.9	225.8	253.8
-80°	105.0	113.8	123.9	133.3	135.5	134.5	131.6	126.8	140.6	160.0	180.9
-82.5°	68.5	74.5	80.1	85.3	85.9	84.5	81.9	78.9	89.3	101.9	115.0
-85°	35.1	35.1	38.0	40.7	41.9	42.1	41.3	39.5	44.6	50.5	56.7
-87.5°	17.5	17.5	17.3	16.8	16.0	15.0	13.8	12.4	12.9	13.4	13.9
-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: P627633 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-U-WR-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°	14.3	13.9	13.5	12.9	12.3	12.1	11.9	11.6	11.3	10.5	9.6
85°	63.3	64.7	65.5	65.8	65.8	67.9	69.9	71.7	73.3	66.4	58.9
82.5°	128.7	134.7	140.0	145.3	150.5	154.0	156.8	158.7	160.0	144.9	127.8
80°	202.6	215.3	225.7	235.8	245.4	247.8	247.8	246.4	243.7	223.0	199.5
77.5°	281.8	298.4	311.5	324.6	337.4	342.2	344.5	346.3	347.4	321.8	290.1
75°	353.5	373.3	391.8	408.9	424.7	433.1	438.0	442.1	445.2	419.4	385.5
72.5°	435.4	456.3	476.3	495.3	512.1	523.2	530.4	536.4	541.1	526.4	505.2
70°	525.4	547.1	568.2	587.9	606.9	621.8	633.5	643.7	652.1	653.7	653.0
67.5°	625.4	651.0	676.1	697.6	720.1	741.2	759.7	775.1	787.4	795.5	800.1
65°	737.5	776.1	810.3	839.4	863.7	891.8	916.7	935.6	949.0	959.1	967.8
62.5°	869.7	916.4	955.6	994.4	1034.4	1073.2	1097.5	1121.8	1145.6	1168.1	1187.3
60°	997.0	1048.2	1101.3	1150.7	1196.5	1238.7	1282.2	1320.8	1354.6	1382.9	1403.9
57.5°	1132.7	1194.9	1255.2	1318.1	1377.2	1432.3	1486.1	1535.8	1578.8	1614.9	1644.4
55°	1279.8	1356.0	1427.7	1507.5	1584.7	1655.2	1720.1	1786.6	1846.5	1899.2	1941.1
52.5°	1438.5	1537.6	1632.6	1726.2	1826.3	1916.7	1997.7	2089.8	2171.5	2239.1	2291.7
50°	1628.0	1744.4	1869.8	1985.8	2112.1	2236.5	2351.2	2462.3	2571.0	2665.0	2741.0
47.5°	1843.7	1987.0	2142.3	2296.1	2452.9	2623.0	2774.8	2915.8	3067.7	3199.6	3305.5
45°	2083.6	2266.2	2453.8	2669.9	2869.1	3087.6	3289.8	3471.4	3686.9	3876.8	4029.6
42.5°	2349.6	2592.9	2839.6	3111.9	3376.0	3653.5	3948.1	4209.5	4495.3	4767.8	4987.9
40°	2679.4	2970.2	3300.6	3630.2	4009.4	4365.6	4794.9	5185.0	5539.2	5864.1	6130.3
37.5°	3045.8	3420.2	3835.3	4264.6	4783.5	5292.1	5794.6	6268.9	6687.7	7043.3	7341.5
35°	3461.8	3937.6	4440.4	5067.0	5675.0	6284.2	6851.7	7370.1	7825.7	8226.8	8567.9
32.5°	3940.3	4511.4	5215.1	5919.2	6612.7	7283.4	7906.5	8472.0	8971.5	9421.9	9814.2
30°	4443.3	5222.6	6012.5	6784.8	7542.3	8276.9	8960.8	9583.6	10148.1	10649.4	11101.4
27.5°	5082.7	5946.2	6807.5	7640.1	8473.4	9277.5	10018.6	10710.5	11358.1	11924.9	12441.5
25°	5701.0	6654.9	7570.6	8478.4	9385.5	10248.8	11077.4	11858.9	12600.7	13251.1	13827.8
22.5°	6319.3	7317.7	8296.2	9272.4	10246.7	11209.1	12139.5	13034.9	13864.4	14605.1	15254.3
20°	6891.9	7935.7	8982.0	10034.3	11090.5	12144.0	13188.9	14196.5	15120.7	15975.8	16727.2
17.5°	7405.2	8515.3	9624.6	10750.3	11895.2	13038.9	14199.7	15329.3	16385.9	17358.8	18230.5
15°	7859.8	9018.2	10209.6	11424.2	12653.7	13895.8	15162.5	16426.2	17615.6	18720.6	19693.8
12.5°	8257.3	9461.6	10710.3	12000.9	13335.3	14688.4	16070.8	17456.1	18772.8	20048.6	21099.4
10°	8585.3	9838.7	11143.8	12499.9	13907.2	15363.5	16846.5	18337.8	19788.4	21141.8	22343.5
7.5°	8838.6	10138.9	11483.8	12894.2	14370.6	15906.3	17477.4	19059.9	20607.9	22066.2	23395.9
5°	9017.2	10357.5	11719.3	13186.4	14714.0	16305.5	17938.3	19587.4	21205.7	22739.1	24117.1
2.5°	9121.0	10488.7	11856.4	13364.0	14918.3	16547.0	18224.2	19900.4	21561.4	23151.8	24567.8
0°	9148.3	10528.1	11935.0	13382.9	14982.5	16660.0	18277.2	19958.6	21684.7	23253.2	24664.1
-2.5°	9121.0	10488.7	11856.4	13364.0	14918.3	16547.0	18224.2	19900.4	21561.4	23151.8	24567.8
-5°	9017.2	10357.5	11719.3	13186.4	14714.0	16305.5	17938.3	19587.4	21205.7	22739.1	24117.1
-7.5°	8838.6	10138.9	11483.8	12894.2	14370.6	15906.3	17477.4	19059.9	20607.9	22066.2	23395.9
-10°	8585.3	9838.7	11143.8	12499.9	13907.2	15363.5	16846.5	18337.8	19788.4	21141.8	22343.5
-12.5°	8257.3	9461.6	10710.3	12000.9	13335.3	14688.4	16070.8	17456.1	18772.8	20048.6	21099.4
-15°	7859.8	9018.2	10209.6	11424.2	12653.7	13895.8	15162.5	16426.2	17615.6	18720.6	19693.8
-17.5°	7405.2	8515.3	9624.6	10750.3	11895.2	13038.9	14199.7	15329.3	16385.9	17358.8	18230.5
-20°	6891.9	7935.7	8982.0	10034.3	11090.5	12144.0	13188.9	14196.5	15120.7	15975.8	16727.2

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Scaled Data Report



REPORT NUMBER: P627633 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6319.3	7317.7	8296.2	9272.4	10246.7	11209.1	12139.5	13034.9	13864.4	14605.1	15254.3
-25°	5701.0	6654.9	7570.6	8478.4	9385.5	10248.8	11077.4	11858.9	12600.7	13251.1	13827.8
-27.5°	5082.7	5946.2	6807.5	7640.1	8473.4	9277.5	10018.6	10710.5	11358.1	11924.9	12441.5
-30°	4443.3	5222.6	6012.5	6784.8	7542.3	8276.9	8960.8	9583.6	10148.1	10649.4	11101.4
-32.5°	3940.3	4511.4	5215.1	5919.2	6612.7	7283.4	7906.5	8472.0	8971.5	9421.9	9814.2
-35°	3461.8	3937.6	4440.4	5067.0	5675.0	6284.2	6851.7	7370.1	7825.7	8226.8	8567.9
-37.5°	3045.8	3420.2	3835.3	4264.6	4783.5	5292.1	5794.6	6268.9	6687.7	7043.3	7341.5
-40°	2679.4	2970.2	3300.6	3630.2	4009.4	4365.6	4794.9	5185.0	5539.2	5864.1	6130.3
-42.5°	2349.6	2592.9	2839.6	3111.9	3376.0	3653.5	3948.1	4209.5	4495.3	4767.8	4987.9
-45°	2083.6	2266.2	2453.8	2669.9	2869.1	3087.6	3289.8	3471.4	3686.9	3876.8	4029.6
-47.5°	1843.7	1987.0	2142.3	2296.1	2452.9	2623.0	2774.8	2915.8	3067.7	3199.6	3305.5
-50°	1628.0	1744.4	1869.8	1985.8	2112.1	2236.5	2351.2	2462.3	2571.0	2665.0	2741.0
-52.5°	1438.5	1537.6	1632.6	1726.2	1826.3	1916.7	1997.7	2089.8	2171.5	2239.1	2291.7
-55°	1279.8	1356.0	1427.7	1507.5	1584.7	1655.2	1720.1	1786.6	1846.5	1899.2	1941.1
-57.5°	1132.7	1194.9	1255.2	1318.1	1377.2	1432.3	1486.1	1535.8	1578.8	1614.9	1644.4
-60°	997.0	1048.2	1101.3	1150.7	1196.5	1238.7	1282.2	1320.8	1354.6	1382.9	1403.9
-62.5°	869.7	916.4	955.6	994.4	1034.4	1073.2	1097.5	1121.8	1145.6	1168.1	1187.3
-65°	737.5	776.1	810.3	839.4	863.7	891.8	916.7	935.6	949.0	959.1	967.8
-67.5°	625.4	651.0	676.1	697.6	720.1	741.2	759.7	775.1	787.4	795.5	800.1
-70°	525.4	547.1	568.2	587.9	606.9	621.8	633.5	643.7	652.1	653.7	653.0
-72.5°	435.4	456.3	476.3	495.3	512.1	523.2	530.4	536.4	541.1	526.4	505.2
-75°	353.5	373.3	391.8	408.9	424.7	433.1	438.0	442.1	445.2	419.4	385.5
-77.5°	281.8	298.4	311.5	324.6	337.4	342.2	344.5	346.3	347.4	321.8	290.1
-80°	202.6	215.3	225.7	235.8	245.4	247.8	247.8	246.4	243.7	223.0	199.5
-82.5°	128.7	134.7	140.0	145.3	150.5	154.0	156.8	158.7	160.0	144.9	127.8
-85°	63.3	64.7	65.5	65.8	65.8	67.9	69.9	71.7	73.3	66.4	58.9
-87.5°	14.3	13.9	13.5	12.9	12.3	12.1	11.9	11.6	11.3	10.5	9.6
-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: P627633 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-U-WR-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°	8.7	7.8	6.8	5.8	6.8	7.8	8.7	9.6	10.5	11.3	11.6
85°	50.9	42.6	41.8	40.9	41.8	42.6	50.9	58.9	66.4	73.3	71.7
82.5°	109.9	91.3	88.4	85.6	88.4	91.3	109.9	127.8	144.9	160.0	158.7
80°	175.0	149.7	144.8	140.1	144.8	149.7	175.0	199.5	223.0	243.7	246.4
77.5°	256.8	222.1	212.0	202.4	212.0	222.1	256.8	290.1	321.8	347.4	346.3
75°	350.3	313.8	301.5	290.0	301.5	313.8	350.3	385.5	419.4	445.2	442.1
72.5°	483.8	461.6	439.1	414.5	439.1	461.6	483.8	505.2	526.4	541.1	536.4
70°	652.3	650.7	645.1	636.4	645.1	650.7	652.3	653.0	653.7	652.1	643.7
67.5°	802.0	801.4	803.4	803.7	803.4	801.4	802.0	800.1	795.5	787.4	775.1
65°	973.1	975.0	979.0	980.8	979.0	975.0	973.1	967.8	959.1	949.0	935.6
62.5°	1202.0	1211.9	1216.9	1216.3	1216.9	1211.9	1202.0	1187.3	1168.1	1145.6	1121.8
60°	1419.7	1430.0	1436.5	1438.1	1436.5	1430.0	1419.7	1403.9	1382.9	1354.6	1320.8
57.5°	1667.8	1684.8	1693.7	1695.0	1693.7	1684.8	1667.8	1644.4	1614.9	1578.8	1535.8
55°	1973.1	1995.5	2005.5	2004.4	2005.5	1995.5	1973.1	1941.1	1899.2	1846.5	1786.6
52.5°	2331.5	2358.8	2379.3	2391.7	2379.3	2358.8	2331.5	2291.7	2239.1	2171.5	2089.8
50°	2798.1	2837.3	2862.2	2872.4	2862.2	2837.3	2798.1	2741.0	2665.0	2571.0	2462.3
47.5°	3381.9	3433.8	3472.2	3499.0	3472.2	3433.8	3381.9	3305.5	3199.6	3067.7	2915.8
45°	4142.4	4221.5	4275.2	4306.6	4275.2	4221.5	4142.4	4029.6	3876.8	3686.9	3471.4
42.5°	5159.9	5282.5	5357.7	5386.6	5357.7	5282.5	5159.9	4987.9	4767.8	4495.3	4209.5
40°	6340.6	6488.0	6584.7	6651.6	6584.7	6488.0	6340.6	6130.3	5864.1	5539.2	5185.0
37.5°	7570.4	7725.3	7819.5	7883.4	7819.5	7725.3	7570.4	7341.5	7043.3	6687.7	6268.9
35°	8825.1	8987.2	9075.5	9125.0	9075.5	8987.2	8825.1	8567.9	8226.8	7825.7	7370.1
32.5°	10113.2	10291.8	10387.8	10487.2	10387.8	10291.8	10113.2	9814.2	9421.9	8971.5	8472.0
30°	11458.5	11663.5	11763.9	11812.4	11763.9	11663.5	11458.5	11101.4	10649.4	10148.1	9583.6
27.5°	12858.4	13113.9	13239.7	13322.6	13239.7	13113.9	12858.4	12441.5	11924.9	11358.1	10710.5
25°	14315.0	14631.6	14775.7	14904.7	14775.7	14631.6	14315.0	13827.8	13251.1	12600.7	11858.9
22.5°	15826.3	16220.5	16387.4	16479.0	16387.4	16220.5	15826.3	15254.3	14605.1	13864.4	13034.9
20°	17377.0	17848.0	18080.0	18199.3	18080.0	17848.0	17377.0	16727.2	15975.8	15120.7	14196.5
17.5°	18962.7	19548.6	19848.8	19917.7	19848.8	19548.6	18962.7	18230.5	17358.8	16385.9	15329.3
15°	20519.5	21153.2	21508.0	21638.0	21508.0	21153.2	20519.5	19693.8	18720.6	17615.6	16426.2
12.5°	21993.7	22650.6	23074.5	23150.1	23074.5	22650.6	21993.7	21099.4	20048.6	18772.8	17456.1
10°	23330.8	24011.3	24479.5	24586.2	24479.5	24011.3	23330.8	22343.5	21141.8	19788.4	18337.8
7.5°	24448.6	25195.2	25712.5	25802.5	25712.5	25195.2	24448.6	23395.9	22066.2	20607.9	19059.9
5°	25266.4	26152.8	26577.5	26684.1	26577.5	26152.8	25266.4	24117.1	22739.1	21205.7	19587.4
2.5°	25715.0	26617.4	27207.6	27139.4	27207.6	26617.4	25715.0	24567.8	23151.8	21561.4	19900.4
0°	25765.5	26709.4	27273.7	27534.5	27273.7	26709.4	25765.5	24664.1	23253.2	21684.7	19958.6
-2.5°	25715.0	26617.4	27207.6	27139.4	27207.6	26617.4	25715.0	24567.8	23151.8	21561.4	19900.4
-5°	25266.4	26152.8	26577.5	26684.1	26577.5	26152.8	25266.4	24117.1	22739.1	21205.7	19587.4
-7.5°	24448.6	25195.2	25712.5	25802.5	25712.5	25195.2	24448.6	23395.9	22066.2	20607.9	19059.9
-10°	23330.8	24011.3	24479.5	24586.2	24479.5	24011.3	23330.8	22343.5	21141.8	19788.4	18337.8
-12.5°	21993.7	22650.6	23074.5	23150.1	23074.5	22650.6	21993.7	21099.4	20048.6	18772.8	17456.1
-15°	20519.5	21153.2	21508.0	21638.0	21508.0	21153.2	20519.5	19693.8	18720.6	17615.6	16426.2
-17.5°	18962.7	19548.6	19848.8	19917.7	19848.8	19548.6	18962.7	18230.5	17358.8	16385.9	15329.3
-20°	17377.0	17848.0	18080.0	18199.3	18080.0	17848.0	17377.0	16727.2	15975.8	15120.7	14196.5



REPORT NUMBER: P627633 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	15826.3	16220.5	16387.4	16479.0	16387.4	16220.5	15826.3	15254.3	14605.1	13864.4	13034.9
-25°	14315.0	14631.6	14775.7	14904.7	14775.7	14631.6	14315.0	13827.8	13251.1	12600.7	11858.9
-27.5°	12858.4	13113.9	13239.7	13322.6	13239.7	13113.9	12858.4	12441.5	11924.9	11358.1	10710.5
-30°	11458.5	11663.5	11763.9	11812.4	11763.9	11663.5	11458.5	11101.4	10649.4	10148.1	9583.6
-32.5°	10113.2	10291.8	10387.8	10487.2	10387.8	10291.8	10113.2	9814.2	9421.9	8971.5	8472.0
-35°	8825.1	8987.2	9075.5	9125.0	9075.5	8987.2	8825.1	8567.9	8226.8	7825.7	7370.1
-37.5°	7570.4	7725.3	7819.5	7883.4	7819.5	7725.3	7570.4	7341.5	7043.3	6687.7	6268.9
-40°	6340.6	6488.0	6584.7	6651.6	6584.7	6488.0	6340.6	6130.3	5864.1	5539.2	5185.0
-42.5°	5159.9	5282.5	5357.7	5386.6	5357.7	5282.5	5159.9	4987.9	4767.8	4495.3	4209.5
-45°	4142.4	4221.5	4275.2	4306.6	4275.2	4221.5	4142.4	4029.6	3876.8	3686.9	3471.4
-47.5°	3381.9	3433.8	3472.2	3499.0	3472.2	3433.8	3381.9	3305.5	3199.6	3067.7	2915.8
-50°	2798.1	2837.3	2862.2	2872.4	2862.2	2837.3	2798.1	2741.0	2665.0	2571.0	2462.3
-52.5°	2331.5	2358.8	2379.3	2391.7	2379.3	2358.8	2331.5	2291.7	2239.1	2171.5	2089.8
-55°	1973.1	1995.5	2005.5	2004.4	2005.5	1995.5	1973.1	1941.1	1899.2	1846.5	1786.6
-57.5°	1667.8	1684.8	1693.7	1695.0	1693.7	1684.8	1667.8	1644.4	1614.9	1578.8	1535.8
-60°	1419.7	1430.0	1436.5	1438.1	1436.5	1430.0	1419.7	1403.9	1382.9	1354.6	1320.8
-62.5°	1202.0	1211.9	1216.9	1216.3	1216.9	1211.9	1202.0	1187.3	1168.1	1145.6	1121.8
-65°	973.1	975.0	979.0	980.8	979.0	975.0	973.1	967.8	959.1	949.0	935.6
-67.5°	802.0	801.4	803.4	803.7	803.4	801.4	802.0	800.1	795.5	787.4	775.1
-70°	652.3	650.7	645.1	636.4	645.1	650.7	652.3	653.0	653.7	652.1	643.7
-72.5°	483.8	461.6	439.1	414.5	439.1	461.6	483.8	505.2	526.4	541.1	536.4
-75°	350.3	313.8	301.5	290.0	301.5	313.8	350.3	385.5	419.4	445.2	442.1
-77.5°	256.8	222.1	212.0	202.4	212.0	222.1	256.8	290.1	321.8	347.4	346.3
-80°	175.0	149.7	144.8	140.1	144.8	149.7	175.0	199.5	223.0	243.7	246.4
-82.5°	109.9	91.3	88.4	85.6	88.4	91.3	109.9	127.8	144.9	160.0	158.7
-85°	50.9	42.6	41.8	40.9	41.8	42.6	50.9	58.9	66.4	73.3	71.7
-87.5°	8.7	7.8	6.8	5.8	6.8	7.8	8.7	9.6	10.5	11.3	11.6
-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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CATALOG NUMBER: GFLD-SA5C-730-U-WR-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°	11.9	12.1	12.3	12.9	13.5	13.9	14.3	13.9	13.4	12.9	12.4
85°	69.9	67.9	65.8	65.8	65.5	64.7	63.3	56.7	50.5	44.6	39.5
82.5°	156.8	154.0	150.5	145.3	140.0	134.7	128.7	115.0	101.9	89.3	78.9
80°	247.8	247.8	245.4	235.8	225.7	215.3	202.6	180.9	160.0	140.6	126.8
77.5°	344.5	342.2	337.4	324.6	311.5	298.4	281.8	253.8	225.8	198.9	181.4
75°	438.0	433.1	424.7	408.9	391.8	373.3	353.5	329.3	301.5	270.1	247.1
72.5°	530.4	523.2	512.1	495.3	476.3	456.3	435.4	411.7	384.5	353.6	330.4
70°	633.5	621.8	606.9	587.9	568.2	547.1	525.4	501.1	472.8	441.9	417.5
67.5°	759.7	741.2	720.1	697.6	676.1	651.0	625.4	597.7	569.1	536.7	505.9
65°	916.7	891.8	863.7	839.4	810.3	776.1	737.5	703.9	670.7	634.2	593.8
62.5°	1097.5	1073.2	1034.4	994.4	955.6	916.4	869.7	822.7	777.3	731.6	684.4
60°	1282.2	1238.7	1196.5	1150.7	1101.3	1048.2	997.0	943.3	887.1	832.1	775.7
57.5°	1486.1	1432.3	1377.2	1318.1	1255.2	1194.9	1132.7	1065.9	1002.2	935.5	868.1
55°	1720.1	1655.2	1584.7	1507.5	1427.7	1356.0	1279.8	1203.3	1125.9	1042.0	967.6
52.5°	1997.7	1916.7	1826.3	1726.2	1632.6	1537.6	1438.5	1351.7	1257.1	1163.9	1071.2
50°	2351.2	2236.5	2112.1	1985.8	1869.8	1744.4	1628.0	1513.8	1399.3	1291.3	1183.5
47.5°	2774.8	2623.0	2452.9	2296.1	2142.3	1987.0	1843.7	1692.7	1561.4	1425.4	1305.5
45°	3289.8	3087.6	2869.1	2669.9	2453.8	2266.2	2083.6	1909.8	1737.3	1583.8	1430.7
42.5°	3948.1	3653.5	3376.0	3111.9	2839.6	2592.9	2349.6	2143.8	1941.3	1751.3	1578.7
40°	4794.9	4365.6	4009.4	3630.2	3300.6	2970.2	2679.4	2394.0	2164.0	1938.9	1728.4
37.5°	5794.6	5292.1	4783.5	4264.6	3835.3	3420.2	3045.8	2709.9	2397.0	2141.0	1898.1
35°	6851.7	6284.2	5675.0	5067.0	4440.4	3937.6	3461.8	3048.0	2682.8	2352.8	2072.8
32.5°	7906.5	7283.4	6612.7	5919.2	5215.1	4511.4	3940.3	3427.7	2970.9	2595.0	2263.7
30°	8960.8	8276.9	7542.3	6784.8	6012.5	5222.6	4443.3	3844.5	3308.3	2836.8	2455.7
27.5°	10018.6	9277.5	8473.4	7640.1	6807.5	5946.2	5082.7	4274.7	3648.3	3115.5	2666.5
25°	11077.4	10248.8	9385.5	8478.4	7570.6	6654.9	5701.0	4800.2	4029.6	3394.2	2860.8
22.5°	12139.5	11209.1	10246.7	9272.4	8296.2	7317.7	6319.3	5315.0	4390.8	3677.8	3088.1
20°	13188.9	12144.0	11090.5	10034.3	8982.0	7935.7	6891.9	5819.9	4815.5	3971.4	3300.3
17.5°	14199.7	13038.9	11895.2	10750.3	9624.6	8515.3	7405.2	6285.7	5194.7	4232.7	3487.7
15°	15162.5	13895.8	12653.7	11424.2	10209.6	9018.2	7859.8	6694.7	5539.6	4505.3	3693.1
12.5°	16070.8	14688.4	13335.3	12000.9	10710.3	9461.6	8257.3	7053.8	5864.5	4770.9	3876.2
10°	16846.5	15363.5	13907.2	12499.9	11143.8	9838.7	8585.3	7357.5	6142.9	4991.8	4026.0
7.5°	17477.4	15906.3	14370.6	12894.2	11483.8	10138.9	8838.6	7590.6	6363.4	5164.5	4141.7
5°	17938.3	16305.5	14714.0	13186.4	11719.3	10357.5	9017.2	7750.0	6523.1	5287.3	4222.5
2.5°	18224.2	16547.0	14918.3	13364.0	11856.4	10488.7	9121.0	7846.4	6614.3	5354.8	4273.2
0°	18277.2	16660.0	14982.5	13382.9	11935.0	10528.1	9148.3	7881.4	6637.9	5369.1	4289.1
-2.5°	18224.2	16547.0	14918.3	13364.0	11856.4	10488.7	9121.0	7846.4	6614.3	5354.8	4273.2
-5°	17938.3	16305.5	14714.0	13186.4	11719.3	10357.5	9017.2	7750.0	6523.1	5287.3	4222.5
-7.5°	17477.4	15906.3	14370.6	12894.2	11483.8	10138.9	8838.6	7590.6	6363.4	5164.5	4141.7
-10°	16846.5	15363.5	13907.2	12499.9	11143.8	9838.7	8585.3	7357.5	6142.9	4991.8	4026.0
-12.5°	16070.8	14688.4	13335.3	12000.9	10710.3	9461.6	8257.3	7053.8	5864.5	4770.9	3876.2
-15°	15162.5	13895.8	12653.7	11424.2	10209.6	9018.2	7859.8	6694.7	5539.6	4505.3	3693.1
-17.5°	14199.7	13038.9	11895.2	10750.3	9624.6	8515.3	7405.2	6285.7	5194.7	4232.7	3487.7
-20°	13188.9	12144.0	11090.5	10034.3	8982.0	7935.7	6891.9	5819.9	4815.5	3971.4	3300.3



REPORT NUMBER: P627633 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12139.5	11209.1	10246.7	9272.4	8296.2	7317.7	6319.3	5315.0	4390.8	3677.8	3088.1
-25°	11077.4	10248.8	9385.5	8478.4	7570.6	6654.9	5701.0	4800.2	4029.6	3394.2	2860.8
-27.5°	10018.6	9277.5	8473.4	7640.1	6807.5	5946.2	5082.7	4274.7	3648.3	3115.5	2666.5
-30°	8960.8	8276.9	7542.3	6784.8	6012.5	5222.6	4443.3	3844.5	3308.3	2836.8	2455.7
-32.5°	7906.5	7283.4	6612.7	5919.2	5215.1	4511.4	3940.3	3427.7	2970.9	2595.0	2263.7
-35°	6851.7	6284.2	5675.0	5067.0	4440.4	3937.6	3461.8	3048.0	2682.8	2352.8	2072.8
-37.5°	5794.6	5292.1	4783.5	4264.6	3835.3	3420.2	3045.8	2709.9	2397.0	2141.0	1898.1
-40°	4794.9	4365.6	4009.4	3630.2	3300.6	2970.2	2679.4	2394.0	2164.0	1938.9	1728.4
-42.5°	3948.1	3653.5	3376.0	3111.9	2839.6	2592.9	2349.6	2143.8	1941.3	1751.3	1578.7
-45°	3289.8	3087.6	2869.1	2669.9	2453.8	2266.2	2083.6	1909.8	1737.3	1583.8	1430.7
-47.5°	2774.8	2623.0	2452.9	2296.1	2142.3	1987.0	1843.7	1692.7	1561.4	1425.4	1305.5
-50°	2351.2	2236.5	2112.1	1985.8	1869.8	1744.4	1628.0	1513.8	1399.3	1291.3	1183.5
-52.5°	1997.7	1916.7	1826.3	1726.2	1632.6	1537.6	1438.5	1351.7	1257.1	1163.9	1071.2
-55°	1720.1	1655.2	1584.7	1507.5	1427.7	1356.0	1279.8	1203.3	1125.9	1042.0	967.6
-57.5°	1486.1	1432.3	1377.2	1318.1	1255.2	1194.9	1132.7	1065.9	1002.2	935.5	868.1
-60°	1282.2	1238.7	1196.5	1150.7	1101.3	1048.2	997.0	943.3	887.1	832.1	775.7
-62.5°	1097.5	1073.2	1034.4	994.4	955.6	916.4	869.7	822.7	777.3	731.6	684.4
-65°	916.7	891.8	863.7	839.4	810.3	776.1	737.5	703.9	670.7	634.2	593.8
-67.5°	759.7	741.2	720.1	697.6	676.1	651.0	625.4	597.7	569.1	536.7	505.9
-70°	633.5	621.8	606.9	587.9	568.2	547.1	525.4	501.1	472.8	441.9	417.5
-72.5°	530.4	523.2	512.1	495.3	476.3	456.3	435.4	411.7	384.5	353.6	330.4
-75°	438.0	433.1	424.7	408.9	391.8	373.3	353.5	329.3	301.5	270.1	247.1
-77.5°	344.5	342.2	337.4	324.6	311.5	298.4	281.8	253.8	225.8	198.9	181.4
-80°	247.8	247.8	245.4	235.8	225.7	215.3	202.6	180.9	160.0	140.6	126.8
-82.5°	156.8	154.0	150.5	145.3	140.0	134.7	128.7	115.0	101.9	89.3	78.9
-85°	69.9	67.9	65.8	65.8	65.5	64.7	63.3	56.7	50.5	44.6	39.5
-87.5°	11.9	12.1	12.3	12.9	13.5	13.9	14.3	13.9	13.4	12.9	12.4
-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: P627633 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-U-WR-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°	13.8	15.0	16.0	16.8	17.3	17.5	17.5	17.3	16.6	15.6	14.5
85°	41.3	42.1	41.9	40.7	38.0	35.1	35.1	34.6	33.2	31.3	29.0
82.5°	81.9	84.5	85.9	85.3	80.1	74.5	68.5	62.3	55.5	47.9	43.5
80°	131.6	134.5	135.5	133.3	123.9	113.8	105.0	96.0	87.2	77.1	65.9
77.5°	185.3	187.5	188.0	184.5	172.6	159.6	145.8	131.2	118.8	106.3	92.4
75°	243.0	243.7	243.2	236.9	222.2	205.5	188.7	170.6	152.4	135.5	118.8
72.5°	317.9	307.7	300.0	289.9	273.7	254.9	233.4	209.3	186.4	164.8	144.7
70°	396.2	374.6	357.8	342.4	324.5	304.6	280.8	250.5	219.7	193.6	169.1
67.5°	478.0	451.2	424.2	396.1	374.1	351.6	327.5	291.1	254.2	221.7	193.1
65°	557.6	524.5	494.0	457.4	425.4	398.1	370.8	329.6	287.5	249.6	216.5
62.5°	637.8	593.4	555.2	515.6	477.0	443.1	412.3	365.4	319.3	276.3	238.6
60°	720.2	668.2	616.2	570.5	526.8	485.8	447.4	400.1	350.2	301.7	259.7
57.5°	805.6	743.2	683.7	626.7	575.9	528.6	481.2	432.1	380.0	327.5	278.6
55°	891.8	821.3	751.4	686.1	625.9	572.0	516.2	462.7	408.6	352.7	293.7
52.5°	984.3	901.6	822.8	746.6	677.6	614.3	553.6	492.7	435.8	377.0	310.1
50°	1082.2	986.8	896.8	811.5	729.0	658.5	590.1	525.5	462.4	400.3	325.6
47.5°	1185.2	1077.1	974.6	876.9	787.3	701.3	628.2	557.7	488.2	423.4	339.6
45°	1298.5	1170.0	1054.6	947.4	843.3	749.9	665.9	588.8	516.2	439.9	352.3
42.5°	1412.4	1270.2	1137.6	1015.5	904.3	798.9	702.0	621.1	543.1	455.0	364.7
40°	1543.8	1372.6	1221.0	1088.8	964.5	845.7	743.5	652.3	568.1	470.0	376.7
37.5°	1671.9	1482.9	1312.1	1158.6	1023.8	898.6	783.7	681.9	587.9	486.4	387.5
35°	1822.8	1596.7	1398.9	1232.6	1084.9	948.9	821.5	712.2	609.6	502.1	397.2
32.5°	1969.5	1712.6	1496.5	1308.4	1142.6	996.5	861.6	743.2	631.6	517.1	405.7
30°	2130.5	1838.7	1588.6	1379.3	1199.9	1045.5	902.0	772.4	653.9	531.2	414.0
27.5°	2285.3	1955.0	1678.2	1454.4	1260.4	1091.3	939.4	799.7	676.2	545.9	424.2
25°	2438.6	2080.5	1776.9	1526.0	1316.1	1133.0	973.7	825.3	698.2	562.4	433.4
22.5°	2605.0	2202.0	1865.9	1590.3	1366.3	1171.0	1006.5	853.3	718.3	578.2	441.5
20°	2758.0	2311.7	1945.4	1651.8	1416.3	1212.1	1037.1	878.3	736.4	593.0	448.3
17.5°	2902.4	2423.1	2034.0	1718.4	1463.5	1248.3	1064.1	900.3	752.3	606.6	453.8
15°	3053.8	2533.9	2113.8	1776.0	1504.4	1279.6	1087.3	919.1	766.1	618.9	459.0
12.5°	3183.1	2627.6	2180.8	1824.5	1538.7	1305.8	1106.6	934.9	777.6	629.3	463.7
10°	3289.7	2703.7	2234.9	1863.7	1566.4	1326.7	1122.0	947.6	787.1	637.4	466.3
7.5°	3372.6	2761.7	2275.8	1893.4	1587.6	1343.1	1134.8	957.5	794.5	643.0	466.9
5°	3430.7	2802.3	2305.8	1914.1	1603.7	1354.9	1143.9	964.1	799.5	646.1	465.5
2.5°	3461.1	2825.2	2324.2	1925.2	1612.9	1361.2	1149.0	967.3	802.0	646.5	462.3
0°	3465.9	2829.5	2329.4	1926.6	1615.2	1362.2	1150.1	967.2	801.8	644.1	457.3
-2.5°	3461.1	2825.2	2324.2	1925.2	1612.9	1361.2	1149.0	967.3	802.0	646.5	462.3
-5°	3430.7	2802.3	2305.8	1914.1	1603.7	1354.9	1143.9	964.1	799.5	646.1	465.5
-7.5°	3372.6	2761.7	2275.8	1893.4	1587.6	1343.1	1134.8	957.5	794.5	643.0	466.9
-10°	3289.7	2703.7	2234.9	1863.7	1566.4	1326.7	1122.0	947.6	787.1	637.4	466.3
-12.5°	3183.1	2627.6	2180.8	1824.5	1538.7	1305.8	1106.6	934.9	777.6	629.3	463.7
-15°	3053.8	2533.9	2113.8	1776.0	1504.4	1279.6	1087.3	919.1	766.1	618.9	459.0
-17.5°	2902.4	2423.1	2034.0	1718.4	1463.5	1248.3	1064.1	900.3	752.3	606.6	453.8
-20°	2758.0	2311.7	1945.4	1651.8	1416.3	1212.1	1037.1	878.3	736.4	593.0	448.3

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



REPORT NUMBER: P627633 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2605.0	2202.0	1865.9	1590.3	1366.3	1171.0	1006.5	853.3	718.3	578.2	441.5
-25°	2438.6	2080.5	1776.9	1526.0	1316.1	1133.0	973.7	825.3	698.2	562.4	433.4
-27.5°	2285.3	1955.0	1678.2	1454.4	1260.4	1091.3	939.4	799.7	676.2	545.9	424.2
-30°	2130.5	1838.7	1588.6	1379.3	1199.9	1045.5	902.0	772.4	653.9	531.2	414.0
-32.5°	1969.5	1712.6	1496.5	1308.4	1142.6	996.5	861.6	743.2	631.6	517.1	405.7
-35°	1822.8	1596.7	1398.9	1232.6	1084.9	948.9	821.5	712.2	609.6	502.1	397.2
-37.5°	1671.9	1482.9	1312.1	1158.6	1023.8	898.6	783.7	681.9	587.9	486.4	387.5
-40°	1543.8	1372.6	1221.0	1088.8	964.5	845.7	743.5	652.3	568.1	470.0	376.7
-42.5°	1412.4	1270.2	1137.6	1015.5	904.3	798.9	702.0	621.1	543.1	455.0	364.7
-45°	1298.5	1170.0	1054.6	947.4	843.3	749.9	665.9	588.8	516.2	439.9	352.3
-47.5°	1185.2	1077.1	974.6	876.9	787.3	701.3	628.2	557.7	488.2	423.4	339.6
-50°	1082.2	986.8	896.8	811.5	729.0	658.5	590.1	525.5	462.4	400.3	325.6
-52.5°	984.3	901.6	822.8	746.6	677.6	614.3	553.6	492.7	435.8	377.0	310.1
-55°	891.8	821.3	751.4	686.1	625.9	572.0	516.2	462.7	408.6	352.7	293.7
-57.5°	805.6	743.2	683.7	626.7	575.9	528.6	481.2	432.1	380.0	327.5	278.6
-60°	720.2	668.2	616.2	570.5	526.8	485.8	447.4	400.1	350.2	301.7	259.7
-62.5°	637.8	593.4	555.2	515.6	477.0	443.1	412.3	365.4	319.3	276.3	238.6
-65°	557.6	524.5	494.0	457.4	425.4	398.1	370.8	329.6	287.5	249.6	216.5
-67.5°	478.0	451.2	424.2	396.1	374.1	351.6	327.5	291.1	254.2	221.7	193.1
-70°	396.2	374.6	357.8	342.4	324.5	304.6	280.8	250.5	219.7	193.6	169.1
-72.5°	317.9	307.7	300.0	289.9	273.7	254.9	233.4	209.3	186.4	164.8	144.7
-75°	243.0	243.7	243.2	236.9	222.2	205.5	188.7	170.6	152.4	135.5	118.8
-77.5°	185.3	187.5	188.0	184.5	172.6	159.6	145.8	131.2	118.8	106.3	92.4
-80°	131.6	134.5	135.5	133.3	123.9	113.8	105.0	96.0	87.2	77.1	65.9
-82.5°	81.9	84.5	85.9	85.3	80.1	74.5	68.5	62.3	55.5	47.9	43.5
-85°	41.3	42.1	41.9	40.7	38.0	35.1	35.1	34.6	33.2	31.3	29.0
-87.5°	13.8	15.0	16.0	16.8	17.3	17.5	17.5	17.3	16.6	15.6	14.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



REPORT NUMBER: P627633 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-730-U-WR-XX

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°	13.1	10.2	7.6	5.3	3.2	1.4	0.0
85°	26.1	20.4	15.2	10.5	6.4	2.8	0.0
82.5°	39.1	30.5	22.7	15.7	9.6	4.2	0.0
80°	53.1	40.5	30.1	20.9	12.8	5.6	0.0
77.5°	75.7	52.6	37.5	26.0	15.9	6.9	0.0
75°	97.8	68.8	45.4	31.0	19.0	8.3	0.0
72.5°	119.1	84.5	56.2	35.9	22.0	9.6	0.0
70°	139.3	99.5	66.6	41.1	24.9	10.9	0.0
67.5°	156.9	113.9	76.6	47.4	27.7	12.1	0.0
65°	173.6	127.1	86.1	53.5	30.5	13.4	0.0
62.5°	189.4	139.2	95.1	59.3	33.1	14.6	0.0
60°	204.1	150.5	103.5	64.8	35.7	15.7	0.0
57.5°	217.5	161.1	111.3	69.8	38.7	16.8	0.0
55°	229.8	170.8	118.5	74.5	41.7	17.9	0.0
52.5°	241.1	179.7	125.2	78.8	44.6	18.9	0.0
50°	251.3	187.9	131.2	82.7	47.3	19.9	0.0
47.5°	260.8	195.3	136.6	86.2	49.9	20.8	0.0
45°	271.5	201.9	141.4	89.7	52.4	21.7	0.0
42.5°	281.0	207.6	145.5	92.8	54.7	22.5	0.0
40°	289.4	212.4	149.2	96.2	56.9	23.2	0.0
37.5°	296.5	216.3	152.5	99.7	59.0	23.9	0.0
35°	302.4	220.7	155.2	102.9	60.8	24.6	0.0
32.5°	307.9	224.9	157.2	105.8	62.6	25.2	0.0
30°	313.9	228.2	158.7	108.4	64.2	25.7	0.0
27.5°	318.9	230.5	162.0	110.8	65.6	26.1	0.0
25°	322.7	231.9	165.3	112.8	66.8	26.5	0.0
22.5°	325.4	233.7	168.2	114.5	67.9	26.9	0.0
20°	327.0	237.9	170.7	115.9	68.8	27.1	0.0
17.5°	330.7	241.4	172.7	117.1	69.6	27.3	0.0
15°	335.1	244.1	174.4	117.9	70.1	27.5	0.0
12.5°	338.3	246.1	175.6	118.4	70.6	27.6	0.0
10°	340.3	247.4	176.4	118.7	70.8	27.6	0.0
7.5°	341.1	247.9	176.7	118.6	70.9	27.6	0.0
5°	340.8	247.7	176.6	118.3	70.8	27.5	0.0
2.5°	339.3	246.8	176.1	117.7	70.5	27.4	0.0
0°	336.7	245.2	175.1	116.8	70.1	27.2	0.0
-2.5°	339.3	246.8	176.1	117.7	70.5	27.4	0.0
-5°	340.8	247.7	176.6	118.3	70.8	27.5	0.0
-7.5°	341.1	247.9	176.7	118.6	70.9	27.6	0.0
-10°	340.3	247.4	176.4	118.7	70.8	27.6	0.0
-12.5°	338.3	246.1	175.6	118.4	70.6	27.6	0.0
-15°	335.1	244.1	174.4	117.9	70.1	27.5	0.0
-17.5°	330.7	241.4	172.7	117.1	69.6	27.3	0.0
-20°	327.0	237.9	170.7	115.9	68.8	27.1	0.0

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CATALOG NUMBER: GFLD-SA5C-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	325.4	233.7	168.2	114.5	67.9	26.9	0.0
-25°	322.7	231.9	165.3	112.8	66.8	26.5	0.0
-27.5°	318.9	230.5	162.0	110.8	65.6	26.1	0.0
-30°	313.9	228.2	158.7	108.4	64.2	25.7	0.0
-32.5°	307.9	224.9	157.2	105.8	62.6	25.2	0.0
-35°	302.4	220.7	155.2	102.9	60.8	24.6	0.0
-37.5°	296.5	216.3	152.5	99.7	59.0	23.9	0.0
-40°	289.4	212.4	149.2	96.2	56.9	23.2	0.0
-42.5°	281.0	207.6	145.5	92.8	54.7	22.5	0.0
-45°	271.5	201.9	141.4	89.7	52.4	21.7	0.0
-47.5°	260.8	195.3	136.6	86.2	49.9	20.8	0.0
-50°	251.3	187.9	131.2	82.7	47.3	19.9	0.0
-52.5°	241.1	179.7	125.2	78.8	44.6	18.9	0.0
-55°	229.8	170.8	118.5	74.5	41.7	17.9	0.0
-57.5°	217.5	161.1	111.3	69.8	38.7	16.8	0.0
-60°	204.1	150.5	103.5	64.8	35.7	15.7	0.0
-62.5°	189.4	139.2	95.1	59.3	33.1	14.6	0.0
-65°	173.6	127.1	86.1	53.5	30.5	13.4	0.0
-67.5°	156.9	113.9	76.6	47.4	27.7	12.1	0.0
-70°	139.3	99.5	66.6	41.1	24.9	10.9	0.0
-72.5°	119.1	84.5	56.2	35.9	22.0	9.6	0.0
-75°	97.8	68.8	45.4	31.0	19.0	8.3	0.0
-77.5°	75.7	52.6	37.5	26.0	15.9	6.9	0.0
-80°	53.1	40.5	30.1	20.9	12.8	5.6	0.0
-82.5°	39.1	30.5	22.7	15.7	9.6	4.2	0.0
-85°	26.1	20.4	15.2	10.5	6.4	2.8	0.0
-87.5°	13.1	10.2	7.6	5.3	3.2	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)