

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: LUMIERE

Report Number: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LEDGB-W-BK-LC1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-W-BK-LC1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) COLOR CHAGING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

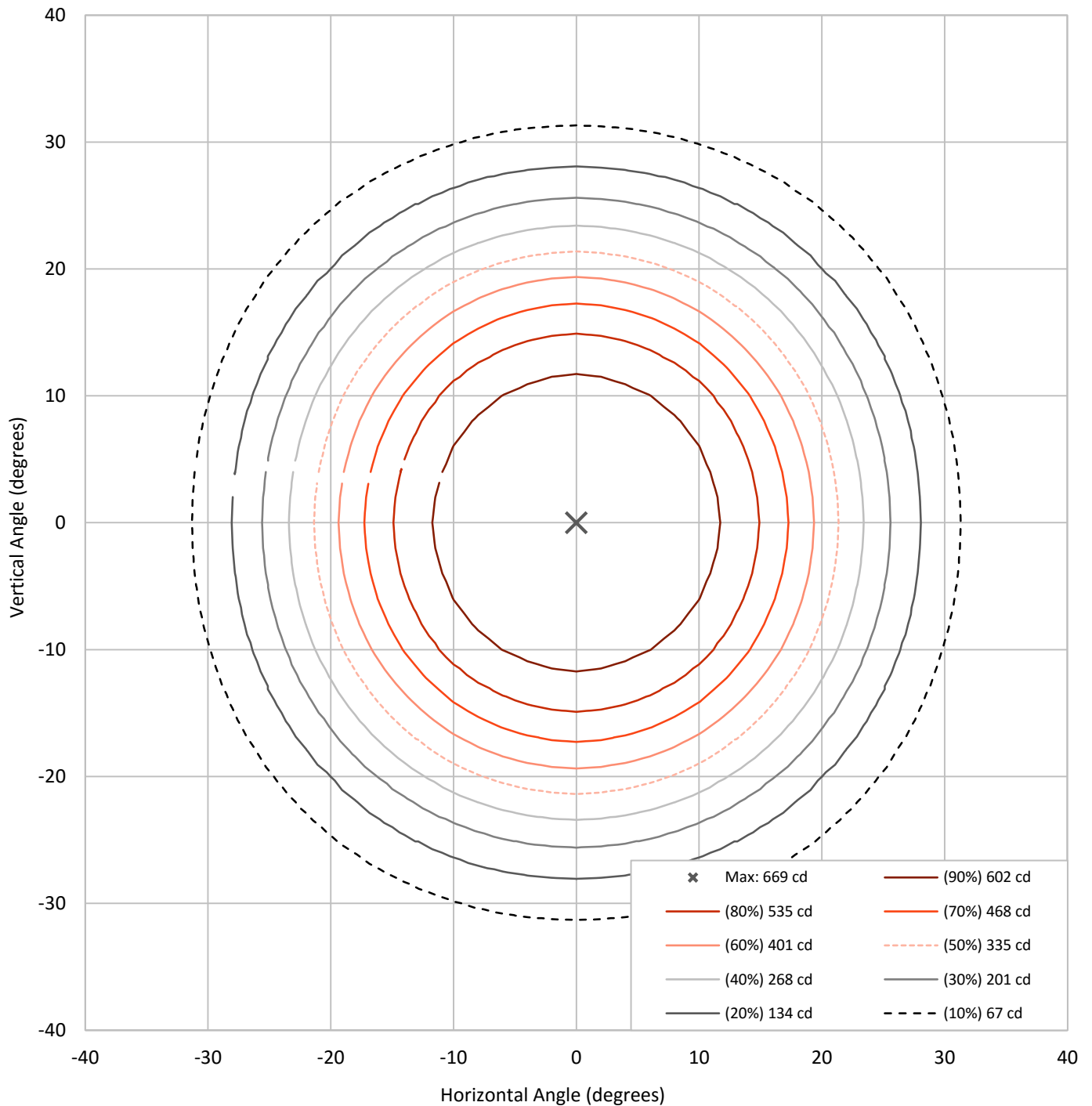
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	327.5 lumens	Max Intensity:	669 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	24.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	42.8°H x 42.8°V	Field Angle (10%):	62.6°H x 62.6°V
Beam Lumens:	225.4 lumens	Field Lumens:	310 lumens
Beam Efficiency:	68.8%	Field Efficiency:	94.7%
Input Watts (W):	13.5		
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		



REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-W-BK-LC1-UNV

Iso-Candela Plot





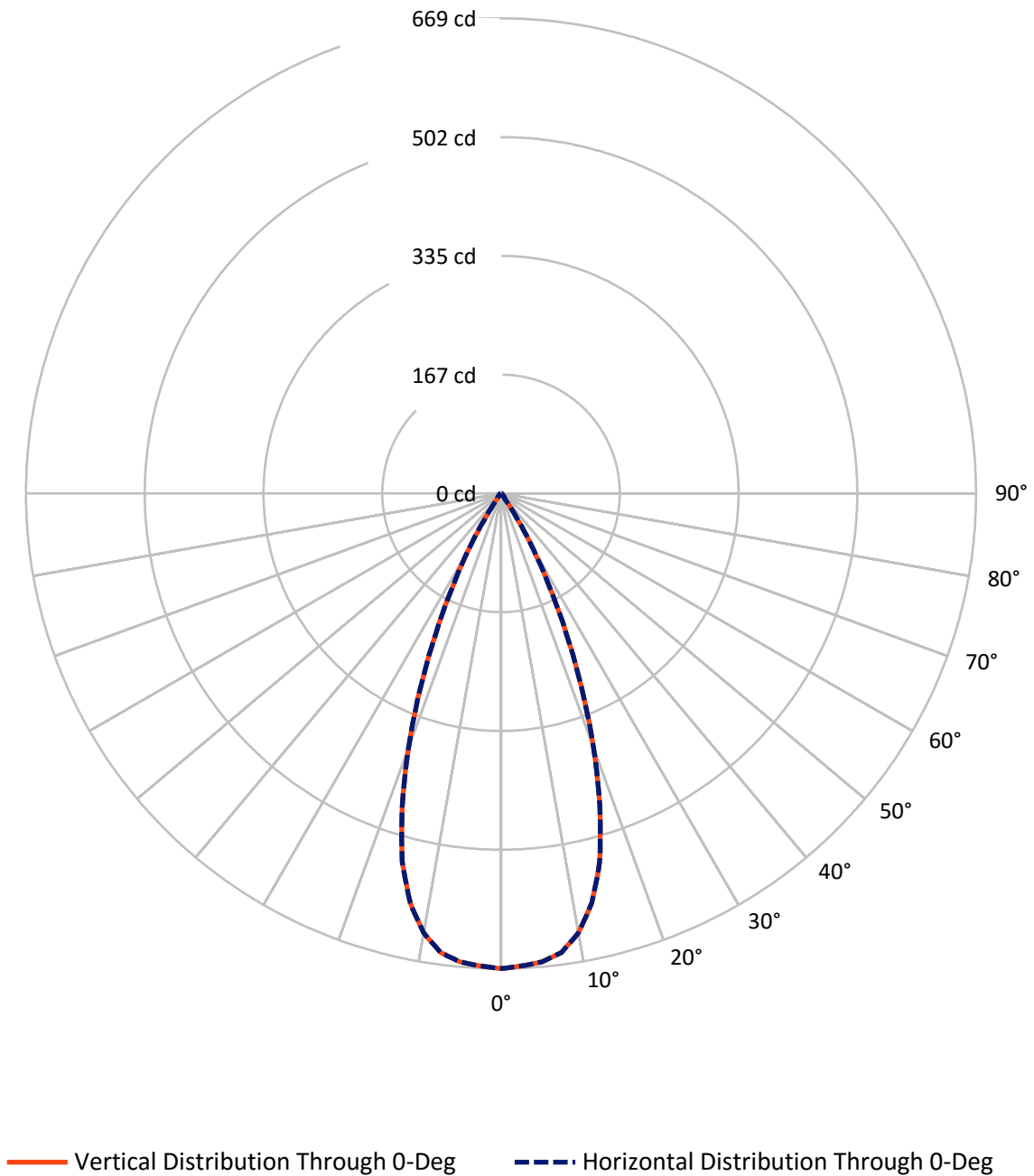
REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-W-BK-LC1-UNV

Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
40		0.0	0.0	0.0	0.1	0.2	0.4	0.8	0.8	0.4	0.2	0.1	0.0	0.0	0.0		
30	0.0	0.0	0.0	0.1	0.1	0.8	3.5	6.2	6.2	3.5	0.8	0.1	0.1	0.0	0.0	0.0	
20		0.0	0.0	0.1	0.3	3.3	9.9	15.0	15.0	9.9	3.3	0.3	0.1	0.0	0.0		
10	0.0	0.0	0.0	0.1	0.6	5.7	14.6	19.4	19.4	14.6	5.7	0.6	0.1	0.0	0.0	0.0	
0		0.0	0.0	0.1	0.6	5.7	14.6	19.4	19.4	14.6	5.7	0.6	0.1	0.0	0.0		
-10	0.0	0.0	0.0	0.1	0.3	3.3	9.9	15.0	15.0	9.9	3.3	0.3	0.1	0.0	0.0	0.0	
-20		0.0	0.0	0.1	0.1	0.8	3.5	6.2	6.2	3.5	0.8	0.1	0.1	0.0	0.0		
-30	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.8	0.8	0.4	0.2	0.1	0.0	0.0	0.0	0.0	
-40		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-60		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

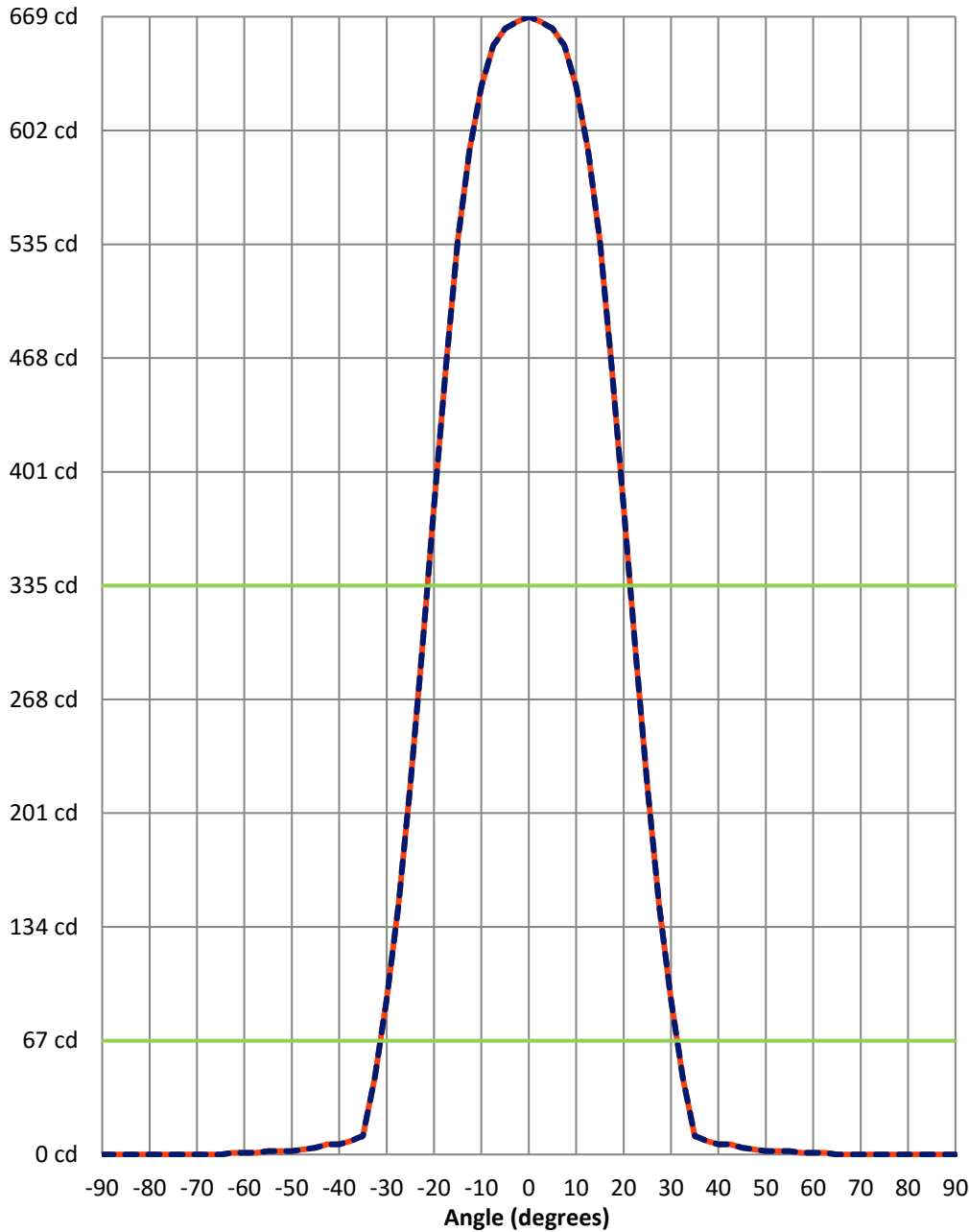
REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-W-BK-LC1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-W-BK-LC1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 42.8°
 V Angle: 42.8°
 Lumens: 225.4
 Efficiency: 68.8%

Field:
 H Angle: 62.6°
 V Angle: 62.6°
 Lumens: 310
 Efficiency: 94.7%

Spill:
 Lumens: 17.5
 Efficiency: 5.3%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-W-BK-LC1-UNV

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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDGB-W-BK-LC1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	0	0	0	0	0	0	0	0	0	0
-25°	0	0	0	0	0	0	0	0	0	0	0
-27.5°	0	0	0	0	0	0	0	0	0	0	0
-30°	0	0	0	0	0	0	0	0	0	0	0
-32.5°	0	0	0	0	0	0	0	0	0	0	0
-35°	0	0	0	0	0	0	0	0	0	0	0
-37.5°	0	0	0	0	0	0	0	0	0	0	0
-40°	0	0	0	0	0	0	0	0	0	0	0
-42.5°	0	0	0	0	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-W-BK-LC1-UNV

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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	1
52.5°	0	0	0	0	0	0	0	0	1	1	1
50°	0	0	0	0	0	0	0	1	1	1	1
47.5°	0	0	0	0	0	0	1	1	1	1	1
45°	0	0	0	0	0	1	1	1	1	1	2
42.5°	0	0	0	0	1	1	1	1	1	2	2
40°	0	0	0	0	1	1	1	1	2	2	2
37.5°	0	0	0	1	1	1	1	2	2	2	2
35°	0	0	0	1	1	1	1	2	2	2	2
32.5°	0	0	1	1	1	1	2	2	2	2	3
30°	0	0	1	1	1	2	2	2	2	3	3
27.5°	0	1	1	1	1	2	2	2	2	3	4
25°	0	1	1	1	1	2	2	2	3	4	5
22.5°	0	1	1	1	2	2	2	2	3	4	6
20°	0	1	1	1	2	2	2	3	4	5	6
17.5°	0	1	1	1	2	2	2	3	4	6	6
15°	1	1	1	1	2	2	2	3	4	6	6
12.5°	1	1	1	2	2	2	3	3	5	6	7
10°	1	1	1	2	2	2	3	4	5	6	7
7.5°	1	1	1	2	2	2	3	4	6	6	7
5°	1	1	1	2	2	2	3	4	6	6	8
2.5°	1	1	1	2	2	2	3	4	6	6	8
0°	1	1	1	2	2	2	3	4	6	6	8
-2.5°	1	1	1	2	2	2	3	4	6	6	8
-5°	1	1	1	2	2	2	3	4	6	6	8
-7.5°	1	1	1	2	2	2	3	4	6	6	7
-10°	1	1	1	2	2	2	3	4	5	6	7
-12.5°	1	1	1	2	2	2	3	3	5	6	7
-15°	1	1	1	1	2	2	2	3	4	6	6
-17.5°	0	1	1	1	2	2	2	3	4	6	6
-20°	0	1	1	1	2	2	2	3	4	5	6



REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDGB-W-BK-LC1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	0	1	1	1	2	2	2	2	3	4	6
-25°	0	1	1	1	1	2	2	2	3	4	5
-27.5°	0	1	1	1	1	2	2	2	2	3	4
-30°	0	0	1	1	1	2	2	2	2	3	3
-32.5°	0	0	1	1	1	1	2	2	2	2	3
-35°	0	0	0	1	1	1	1	2	2	2	2
-37.5°	0	0	0	1	1	1	1	2	2	2	2
-40°	0	0	0	0	1	1	1	1	2	2	2
-42.5°	0	0	0	0	1	1	1	1	1	2	2
-45°	0	0	0	0	0	1	1	1	1	1	2
-47.5°	0	0	0	0	0	0	1	1	1	1	1
-50°	0	0	0	0	0	0	0	1	1	1	1
-52.5°	0	0	0	0	0	0	0	0	1	1	1
-55°	0	0	0	0	0	0	0	0	0	0	1
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-W-BK-LC1-UNV

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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	1	1	1
60°	0	0	0	1	1	1	1	1	1	1	1
57.5°	0	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	2	2
52.5°	1	1	1	1	1	2	2	2	2	2	2
50°	1	1	2	2	2	2	2	2	2	2	2
47.5°	1	2	2	2	2	2	2	2	2	3	3
45°	2	2	2	2	2	2	3	3	3	3	4
42.5°	2	2	2	2	3	3	4	4	4	5	5
40°	2	2	3	3	4	4	5	6	6	6	6
37.5°	2	3	3	4	5	6	6	6	6	7	7
35°	3	3	4	5	6	6	6	7	8	9	10
32.5°	3	4	6	6	6	7	8	9	10	17	27
30°	4	6	6	6	7	9	10	20	35	49	64
27.5°	5	6	6	8	9	11	31	50	72	91	108
25°	6	6	7	9	14	36	61	88	113	140	164
22.5°	6	7	9	11	36	65	96	129	164	200	232
20°	6	8	10	31	61	96	134	178	223	266	304
17.5°	7	9	20	50	88	129	178	231	283	334	378
15°	8	10	35	72	113	164	223	283	344	400	448
12.5°	9	17	49	91	140	200	266	334	400	459	508
10°	10	27	64	108	164	232	304	378	448	508	559
7.5°	10	35	76	124	186	259	337	414	486	548	591
5°	11	40	84	136	203	279	361	441	513	573	611
2.5°	11	44	89	144	213	292	376	457	531	586	623
0°	11	45	91	147	217	297	381	463	537	591	628
-2.5°	11	44	89	144	213	292	376	457	531	586	623
-5°	11	40	84	136	203	279	361	441	513	573	611
-7.5°	10	35	76	124	186	259	337	414	486	548	591
-10°	10	27	64	108	164	232	304	378	448	508	559
-12.5°	9	17	49	91	140	200	266	334	400	459	508
-15°	8	10	35	72	113	164	223	283	344	400	448
-17.5°	7	9	20	50	88	129	178	231	283	334	378
-20°	6	8	10	31	61	96	134	178	223	266	304



REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-W-BK-LC1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6	7	9	11	36	65	96	129	164	200	232
-25°	6	6	7	9	14	36	61	88	113	140	164
-27.5°	5	6	6	8	9	11	31	50	72	91	108
-30°	4	6	6	6	7	9	10	20	35	49	64
-32.5°	3	4	6	6	6	7	8	9	10	17	27
-35°	3	3	4	5	6	6	6	7	8	9	10
-37.5°	2	3	3	4	5	6	6	6	6	7	7
-40°	2	2	3	3	4	4	5	6	6	6	6
-42.5°	2	2	2	2	3	3	4	4	4	5	5
-45°	2	2	2	2	2	2	3	3	3	3	4
-47.5°	1	2	2	2	2	2	2	2	2	3	3
-50°	1	1	2	2	2	2	2	2	2	2	2
-52.5°	1	1	1	1	1	2	2	2	2	2	2
-55°	1	1	1	1	1	1	1	1	1	2	2
-57.5°	0	1	1	1	1	1	1	1	1	1	1
-60°	0	0	0	1	1	1	1	1	1	1	1
-62.5°	0	0	0	0	0	0	0	0	1	1	1
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-W-BK-LC1-UNV

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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	1	1	1	1	1	1	1	1	1	1	0
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
55°	2	2	2	2	2	2	2	2	2	1	1
52.5°	2	2	2	2	2	2	2	2	2	2	2
50°	2	2	2	2	2	2	2	2	2	2	2
47.5°	3	3	3	3	3	3	3	3	3	2	2
45°	4	4	4	4	4	4	4	4	3	3	3
42.5°	6	6	6	6	6	6	6	5	5	4	4
40°	6	6	6	6	6	6	6	6	6	6	6
37.5°	7	8	8	8	8	8	7	7	7	6	6
35°	10	11	11	11	11	11	10	10	9	8	7
32.5°	35	40	44	45	44	40	35	27	17	10	9
30°	76	84	89	91	89	84	76	64	49	35	20
27.5°	124	136	144	147	144	136	124	108	91	72	50
25°	186	203	213	217	213	203	186	164	140	113	88
22.5°	259	279	292	297	292	279	259	232	200	164	129
20°	337	361	376	381	376	361	337	304	266	223	178
17.5°	414	441	457	463	457	441	414	378	334	283	231
15°	486	513	531	537	531	513	486	448	400	344	283
12.5°	548	573	586	591	586	573	548	508	459	400	334
10°	591	611	623	628	623	611	591	559	508	448	378
7.5°	619	639	650	652	650	639	619	591	548	486	414
5°	639	655	660	662	660	655	639	611	573	513	441
2.5°	650	660	665	666	665	660	650	623	586	531	457
0°	652	662	666	669	666	662	652	628	591	537	463
-2.5°	650	660	665	666	665	660	650	623	586	531	457
-5°	639	655	660	662	660	655	639	611	573	513	441
-7.5°	619	639	650	652	650	639	619	591	548	486	414
-10°	591	611	623	628	623	611	591	559	508	448	378
-12.5°	548	573	586	591	586	573	548	508	459	400	334
-15°	486	513	531	537	531	513	486	448	400	344	283
-17.5°	414	441	457	463	457	441	414	378	334	283	231
-20°	337	361	376	381	376	361	337	304	266	223	178



REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-W-BK-LC1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	259	279	292	297	292	279	259	232	200	164	129
-25°	186	203	213	217	213	203	186	164	140	113	88
-27.5°	124	136	144	147	144	136	124	108	91	72	50
-30°	76	84	89	91	89	84	76	64	49	35	20
-32.5°	35	40	44	45	44	40	35	27	17	10	9
-35°	10	11	11	11	11	11	10	10	9	8	7
-37.5°	7	8	8	8	8	8	7	7	7	6	6
-40°	6	6	6	6	6	6	6	6	6	6	6
-42.5°	6	6	6	6	6	6	6	5	5	4	4
-45°	4	4	4	4	4	4	4	4	3	3	3
-47.5°	3	3	3	3	3	3	3	3	3	2	2
-50°	2	2	2	2	2	2	2	2	2	2	2
-52.5°	2	2	2	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-W-BK-LC1-UNV

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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	1	1	1	1	0	0	0	0	0	0	0
57.5°	1	1	1	1	1	1	0	0	0	0	0
55°	1	1	1	1	1	1	1	1	0	0	0
52.5°	2	2	1	1	1	1	1	1	1	1	0
50°	2	2	2	2	2	1	1	1	1	1	1
47.5°	2	2	2	2	2	2	1	1	1	1	1
45°	3	2	2	2	2	2	2	2	1	1	1
42.5°	4	3	3	2	2	2	2	2	2	1	1
40°	5	4	4	3	3	2	2	2	2	2	1
37.5°	6	6	5	4	3	3	2	2	2	2	2
35°	6	6	6	5	4	3	3	2	2	2	2
32.5°	8	7	6	6	6	4	3	3	2	2	2
30°	10	9	7	6	6	6	4	3	3	2	2
27.5°	31	11	9	8	6	6	5	4	3	2	2
25°	61	36	14	9	7	6	6	5	4	3	2
22.5°	96	65	36	11	9	7	6	6	4	3	2
20°	134	96	61	31	10	8	6	6	5	4	3
17.5°	178	129	88	50	20	9	7	6	6	4	3
15°	223	164	113	72	35	10	8	6	6	4	3
12.5°	266	200	140	91	49	17	9	7	6	5	3
10°	304	232	164	108	64	27	10	7	6	5	4
7.5°	337	259	186	124	76	35	10	7	6	6	4
5°	361	279	203	136	84	40	11	8	6	6	4
2.5°	376	292	213	144	89	44	11	8	6	6	4
0°	381	297	217	147	91	45	11	8	6	6	4
-2.5°	376	292	213	144	89	44	11	8	6	6	4
-5°	361	279	203	136	84	40	11	8	6	6	4
-7.5°	337	259	186	124	76	35	10	7	6	6	4
-10°	304	232	164	108	64	27	10	7	6	5	4
-12.5°	266	200	140	91	49	17	9	7	6	5	3
-15°	223	164	113	72	35	10	8	6	6	4	3
-17.5°	178	129	88	50	20	9	7	6	6	4	3
-20°	134	96	61	31	10	8	6	6	5	4	3



REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDGB-W-BK-LC1-UNV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	96	65	36	11	9	7	6	6	4	3	2
-25°	61	36	14	9	7	6	6	5	4	3	2
-27.5°	31	11	9	8	6	6	5	4	3	2	2
-30°	10	9	7	6	6	6	4	3	3	2	2
-32.5°	8	7	6	6	6	4	3	3	2	2	2
-35°	6	6	6	5	4	3	3	2	2	2	2
-37.5°	6	6	5	4	3	3	2	2	2	2	2
-40°	5	4	4	3	3	2	2	2	2	2	1
-42.5°	4	3	3	2	2	2	2	2	2	1	1
-45°	3	2	2	2	2	2	2	2	1	1	1
-47.5°	2	2	2	2	2	2	1	1	1	1	1
-50°	2	2	2	2	2	1	1	1	1	1	1
-52.5°	2	2	1	1	1	1	1	1	1	1	0
-55°	1	1	1	1	1	1	1	1	0	0	0
-57.5°	1	1	1	1	1	1	0	0	0	0	0
-60°	1	1	1	1	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-W-BK-LC1-UNV

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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
47.5°	1	0	0	0	0	0	0	0	0	0	0
45°	1	1	0	0	0	0	0	0	0	0	0
42.5°	1	1	1	0	0	0	0	0	0	0	0
40°	1	1	1	0	0	0	0	0	0	0	0
37.5°	1	1	1	1	0	0	0	0	0	0	0
35°	1	1	1	1	0	0	0	0	0	0	0
32.5°	2	1	1	1	1	0	0	0	0	0	0
30°	2	2	1	1	1	0	0	0	0	0	0
27.5°	2	2	1	1	1	1	0	0	0	0	0
25°	2	2	1	1	1	1	0	0	0	0	0
22.5°	2	2	2	1	1	1	0	0	0	0	0
20°	2	2	2	1	1	1	0	0	0	0	0
17.5°	2	2	2	1	1	1	0	0	0	0	0
15°	2	2	2	1	1	1	1	0	0	0	0
12.5°	3	2	2	2	1	1	1	0	0	0	0
10°	3	2	2	2	1	1	1	0	0	0	0
7.5°	3	2	2	2	1	1	1	0	0	0	0
5°	3	2	2	2	1	1	1	0	0	0	0
2.5°	3	2	2	2	1	1	1	0	0	0	0
0°	3	2	2	2	1	1	1	0	0	0	0
-2.5°	3	2	2	2	1	1	1	0	0	0	0
-5°	3	2	2	2	1	1	1	0	0	0	0
-7.5°	3	2	2	2	1	1	1	0	0	0	0
-10°	3	2	2	2	1	1	1	0	0	0	0
-12.5°	3	2	2	2	1	1	1	0	0	0	0
-15°	2	2	2	1	1	1	1	0	0	0	0
-17.5°	2	2	2	1	1	1	0	0	0	0	0
-20°	2	2	2	1	1	1	0	0	0	0	0



REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDGB-W-BK-LC1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2	2	2	1	1	1	0	0	0	0	0
-25°	2	2	1	1	1	1	0	0	0	0	0
-27.5°	2	2	1	1	1	1	0	0	0	0	0
-30°	2	2	1	1	1	0	0	0	0	0	0
-32.5°	2	1	1	1	1	0	0	0	0	0	0
-35°	1	1	1	1	0	0	0	0	0	0	0
-37.5°	1	1	1	1	0	0	0	0	0	0	0
-40°	1	1	1	0	0	0	0	0	0	0	0
-42.5°	1	1	1	0	0	0	0	0	0	0	0
-45°	1	1	0	0	0	0	0	0	0	0	0
-47.5°	1	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-W-BK-LC1-UNV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0



REPORT NUMBER: P29547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDGB-W-BK-LC1-UNV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	0	0	0	0	0	0	0
-25°	0	0	0	0	0	0	0
-27.5°	0	0	0	0	0	0	0
-30°	0	0	0	0	0	0	0
-32.5°	0	0	0	0	0	0	0
-35°	0	0	0	0	0	0	0
-37.5°	0	0	0	0	0	0	0
-40°	0	0	0	0	0	0	0
-42.5°	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)