

Scaled data based on original data using
LM-35-02 Approved Method for Photometric Testing of Floodlights Using High Intensity
Discharge or Incandescent Filament Lamps

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: LUMIERE

Report Number: (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **205-35MR11-12-SP**

Issue Date: 3/3/2020

Test Information

Test Method: LM-35-02
Report Number: (CONVERTED FROM TYPE C PHOTOMETRY)
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 205-35MR11-12-SP
Description:
Light Source: Q35MR11/SP20°-FTF
BARE LAMP DATA FOR 205
Ballast/Driver: -

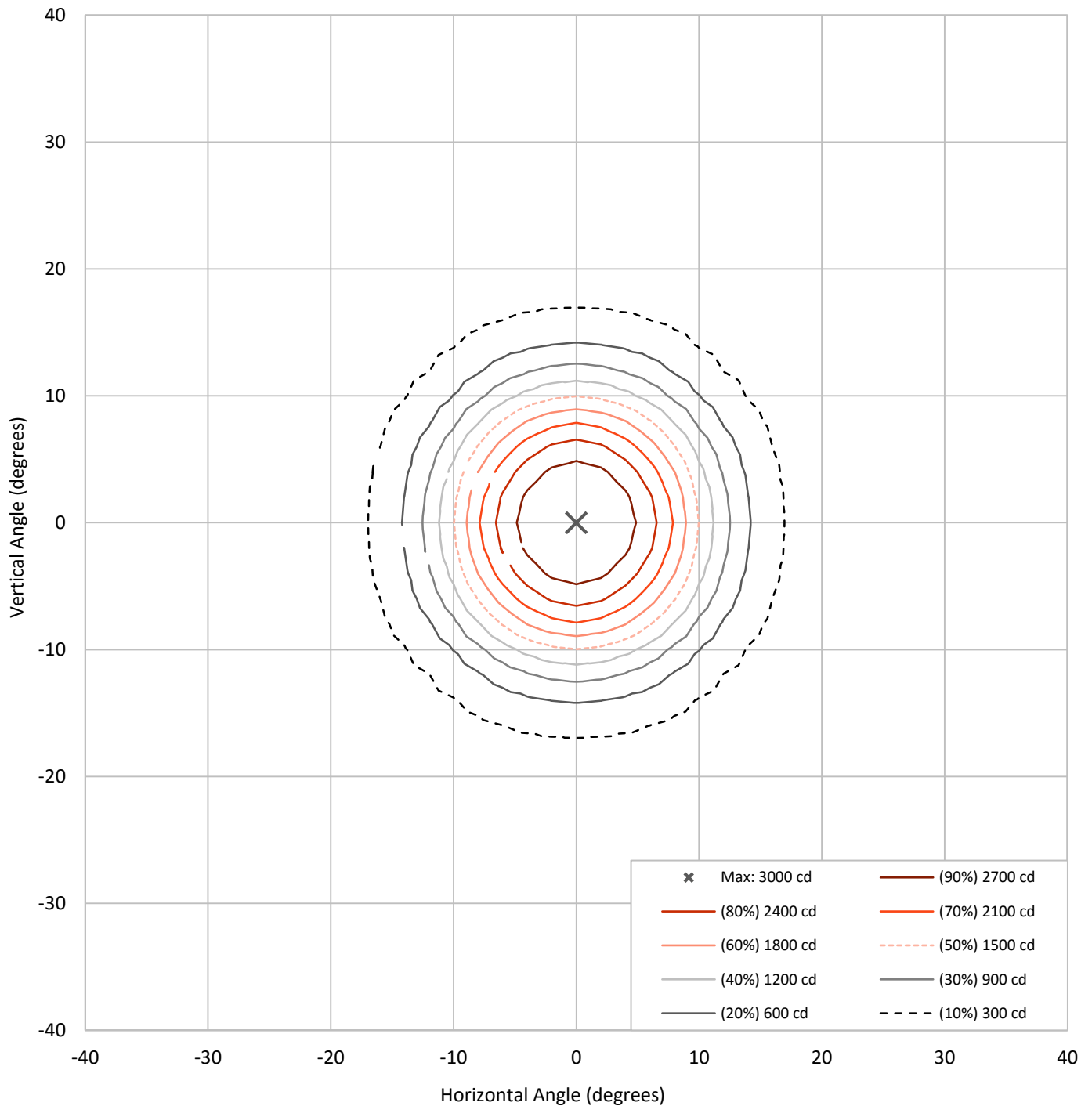
Summary

Lumens per Lamp:	612 (1 lamp)	NEMA Type:	3H x 3V
Luminaire Lumens:	660.6 lumens	Max Intensity:	3000 candela
Efficiency:	107.9%	Max Intensity Angle:	0°H x 0°V
Efficacy:	NR		
Luminous Opening:	Point Source (0' x 0' x 0')		
Beam Angle (50%):	19.9°H x 19.9°V	Field Angle (10%):	33.6°H x 33.6°V
Beam Lumens:	221.6 lumens	Field Lumens:	347.3 lumens
Beam Efficiency:	33.5%	Field Efficiency:	52.6%
Input Watts (W):	0		
Input Voltage (V):	NR		
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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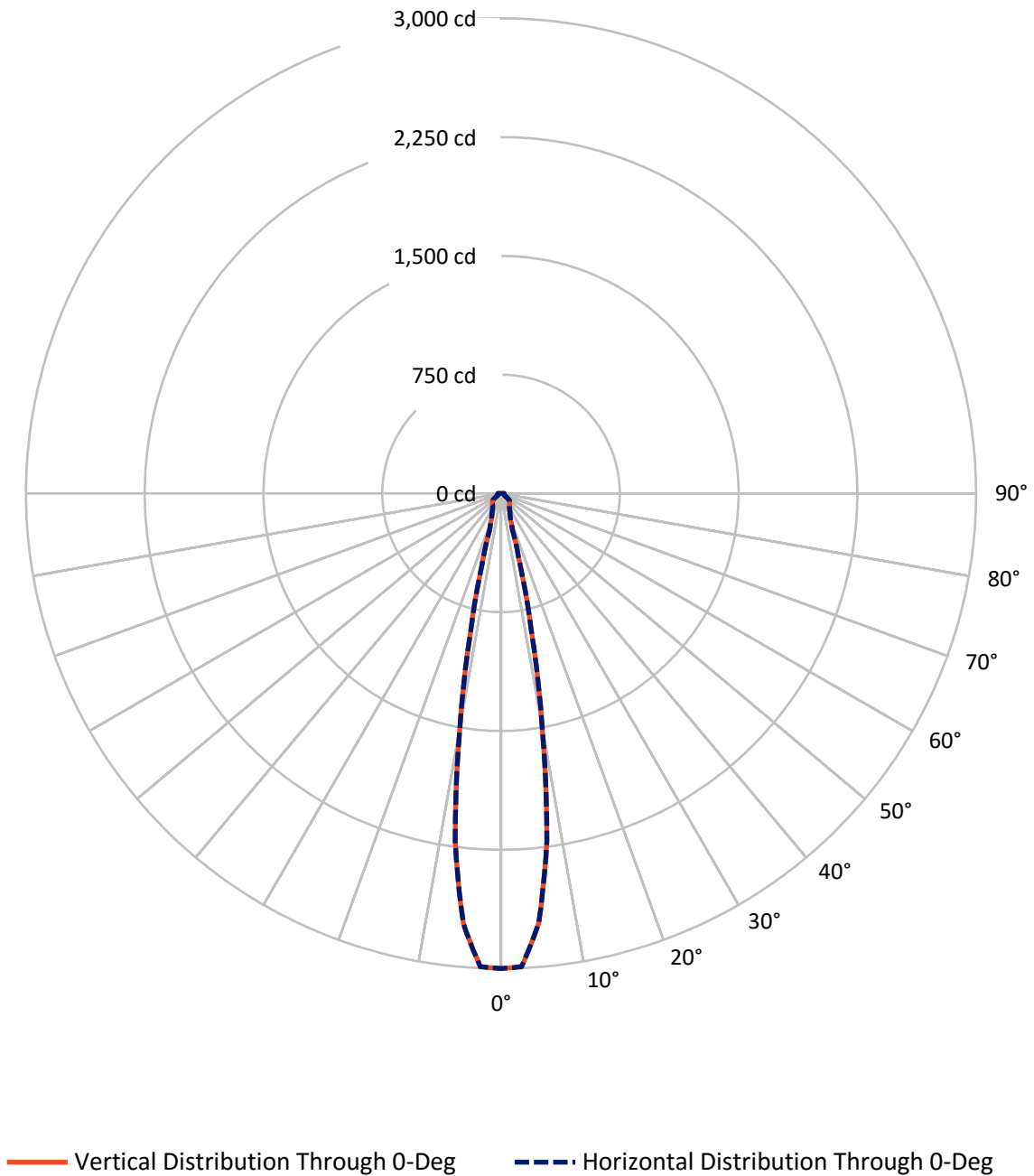
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Lumen Table

90	0.4	1.2		1.9		2.3		2.5		2.3		1.9		1.2		0.4
80	0.4	1.2		1.9		2.3		2.5		2.3		1.9		1.2		0.4
70	0.4	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.4
60		0.3	0.4	0.5	0.7	1.0	1.3	1.4	1.4	1.3	1.0	0.7	0.5	0.4	0.3	
50	0.4	0.3	0.4	0.7	1.2	1.8	2.2	2.3	2.3	2.2	1.8	1.2	0.7	0.4	0.3	0.4
40		0.3	0.5	1.1	1.8	2.2	2.6	2.8	2.8	2.6	2.2	1.8	1.1	0.5	0.3	
30	0.4	0.3	0.6	1.4	2.0	2.6	3.3	4.0	4.0	3.3	2.6	2.0	1.4	0.6	0.3	0.4
20		0.3	0.8	1.6	2.2	3.1	5.5	14.5	14.5	5.5	3.1	2.2	1.6	0.8	0.3	
10	0.4	0.3	0.8	1.6	2.3	3.7	14.2	62.1	62.1	14.2	3.7	2.3	1.6	0.8	0.3	0.4
0		0.3	0.8	1.6	2.3	3.7	14.2	62.1	62.1	14.2	3.7	2.3	1.6	0.8	0.3	
-10	0.4	0.3	0.8	1.6	2.2	3.1	5.5	14.5	14.5	5.5	3.1	2.2	1.6	0.8	0.3	0.4
-20		0.3	0.6	1.4	2.0	2.6	3.3	4.0	4.0	3.3	2.6	2.0	1.4	0.6	0.3	
-30	0.4	0.3	0.5	1.1	1.8	2.2	2.6	2.8	2.8	2.6	2.2	1.8	1.1	0.5	0.3	0.4
-40		0.3	0.4	0.7	1.2	1.8	2.2	2.3	2.3	2.2	1.8	1.2	0.7	0.4	0.3	
-50	0.4	0.3	0.4	0.5	0.7	1.0	1.3	1.4	1.4	1.3	1.0	0.7	0.5	0.4	0.3	0.4
-60		0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	
-70	0.4	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.4
-80		0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	
-90	0.4	1.2		1.9		2.3		2.5		2.3		1.9		1.2		0.4

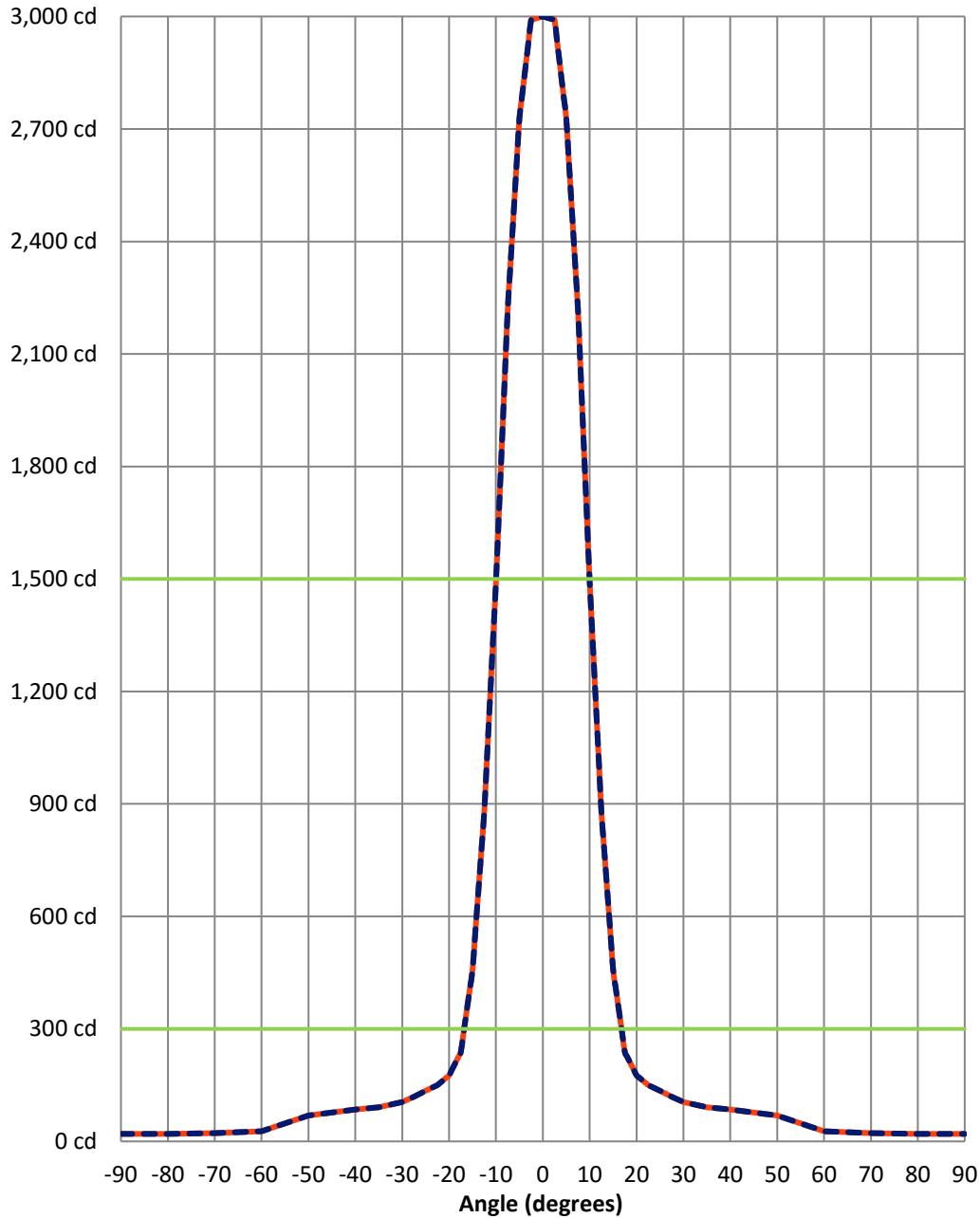
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 19.9°
V Angle: 19.9°
Lumens: 221.6
Efficiency: 33.5%

Field:
H Angle: 33.6°
V Angle: 33.6°
Lumens: 347.3
Efficiency: 52.6%

Spill:
Lumens: 313.3
Efficiency: 47.4%

— 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°	20	20	20	20	20	20	20	20	20	20	20
87.5°	20	20	20	20	20	20	20	20	20	20	20
85°	20	20	20	20	20	20	20	20	20	20	20
82.5°	20	20	20	20	20	20	20	20	20	20	20
80°	20	20	20	20	20	20	20	20	20	20	20
77.5°	20	20	20	20	20	20	20	20	20	20	20
75°	20	20	20	20	20	20	20	20	20	20	20
72.5°	20	20	20	20	20	20	20	20	20	20	20
70°	20	20	20	20	20	20	20	20	20	20	20
67.5°	20	20	20	20	20	20	20	20	20	20	20
65°	20	20	20	20	20	20	20	20	20	20	20
62.5°	20	20	20	20	20	20	20	20	20	20	20
60°	20	20	20	20	20	20	20	20	20	20	20
57.5°	20	20	20	20	20	20	20	20	20	20	21
55°	20	20	20	20	20	20	20	20	20	21	21
52.5°	20	20	20	20	20	20	20	20	20	21	21
50°	20	20	20	20	20	20	20	20	21	21	21
47.5°	20	20	20	20	20	20	20	20	21	21	21
45°	20	20	20	20	20	20	20	20	21	21	21
42.5°	20	20	20	20	20	20	20	21	21	21	22
40°	20	20	20	20	20	20	20	21	21	21	22
37.5°	20	20	20	20	20	20	20	21	21	22	22
35°	20	20	20	20	20	20	20	21	21	22	22
32.5°	20	20	20	20	20	20	21	21	21	22	22
30°	20	20	20	20	20	20	21	21	21	22	23
27.5°	20	20	20	20	20	20	21	21	22	22	23
25°	20	20	20	20	20	20	21	21	22	22	23
22.5°	20	20	20	20	20	20	21	21	22	22	23
20°	20	20	20	20	20	20	21	21	22	23	24
17.5°	20	20	20	20	20	20	21	21	22	23	24
15°	20	20	20	20	20	20	21	21	22	23	24
12.5°	20	20	20	20	20	20	21	21	22	23	24
10°	20	20	20	20	20	20	21	21	22	23	24
7.5°	20	20	20	20	20	20	21	21	22	23	24
5°	20	20	20	20	20	20	21	21	22	23	24
2.5°	20	20	20	20	20	20	21	21	22	23	24
0°	20	20	20	20	20	21	21	22	22	23	25
-2.5°	20	20	20	20	20	20	21	21	22	23	24
-5°	20	20	20	20	20	20	21	21	22	23	24
-7.5°	20	20	20	20	20	20	21	21	22	23	24
-10°	20	20	20	20	20	20	21	21	22	23	24
-12.5°	20	20	20	20	20	20	21	21	22	23	24
-15°	20	20	20	20	20	20	21	21	22	23	24
-17.5°	20	20	20	20	20	20	21	21	22	23	24
-20°	20	20	20	20	20	20	21	21	22	23	24



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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°	20	20	20	20	20	20	21	21	22	22	23
-25°	20	20	20	20	20	20	21	21	22	22	23
-27.5°	20	20	20	20	20	20	21	21	22	22	23
-30°	20	20	20	20	20	20	21	21	21	22	23
-32.5°	20	20	20	20	20	20	21	21	21	22	22
-35°	20	20	20	20	20	20	20	21	21	22	22
-37.5°	20	20	20	20	20	20	20	21	21	22	22
-40°	20	20	20	20	20	20	20	21	21	21	22
-42.5°	20	20	20	20	20	20	20	21	21	21	22
-45°	20	20	20	20	20	20	20	20	21	21	21
-47.5°	20	20	20	20	20	20	20	20	21	21	21
-50°	20	20	20	20	20	20	20	20	21	21	21
-52.5°	20	20	20	20	20	20	20	20	20	21	21
-55°	20	20	20	20	20	20	20	20	20	21	21
-57.5°	20	20	20	20	20	20	20	20	20	20	21
-60°	20	20	20	20	20	20	20	20	20	20	20
-62.5°	20	20	20	20	20	20	20	20	20	20	20
-65°	20	20	20	20	20	20	20	20	20	20	20
-67.5°	20	20	20	20	20	20	20	20	20	20	20
-70°	20	20	20	20	20	20	20	20	20	20	20
-72.5°	20	20	20	20	20	20	20	20	20	20	20
-75°	20	20	20	20	20	20	20	20	20	20	20
-77.5°	20	20	20	20	20	20	20	20	20	20	20
-80°	20	20	20	20	20	20	20	20	20	20	20
-82.5°	20	20	20	20	20	20	20	20	20	20	20
-85°	20	20	20	20	20	20	20	20	20	20	20
-87.5°	20	20	20	20	20	20	20	20	20	20	20
-90°	20	20	20	20	20	20	20	20	20	20	20



REPORT NUMBER: (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	20	20	20	20	20	20	20	20	20	20	20
87.5°	20	20	20	20	20	20	20	20	20	20	20
85°	20	20	20	20	20	20	20	20	20	20	20
82.5°	20	20	20	20	20	20	20	20	20	20	20
80°	20	20	20	20	20	20	20	20	20	20	20
77.5°	20	20	20	20	20	20	20	20	20	20	20
75°	20	20	20	20	20	20	20	20	20	20	20
72.5°	20	20	20	20	20	20	20	20	21	21	21
70°	20	20	20	20	20	21	21	21	21	21	21
67.5°	20	20	20	21	21	21	21	21	21	21	22
65°	20	20	21	21	21	21	21	21	22	22	22
62.5°	20	21	21	21	21	21	22	22	22	22	23
60°	21	21	21	21	22	22	22	22	23	23	24
57.5°	21	21	21	22	22	22	23	23	24	24	25
55°	21	21	22	22	22	23	23	24	25	25	26
52.5°	21	22	22	22	23	24	24	25	25	26	26
50°	21	22	22	23	24	24	25	26	26	27	30
47.5°	22	22	23	23	24	25	26	26	27	32	37
45°	22	22	23	24	25	26	26	27	33	39	44
42.5°	22	23	24	25	25	26	27	33	39	45	51
40°	22	23	24	25	26	27	32	39	45	52	58
37.5°	23	24	25	26	26	30	37	44	51	58	65
35°	23	24	25	26	27	34	42	50	57	64	70
32.5°	23	24	25	26	31	39	47	55	62	69	72
30°	24	25	26	27	35	43	51	60	68	71	74
27.5°	24	25	26	29	38	47	56	64	70	73	77
25°	24	25	27	33	42	51	60	68	72	75	79
22.5°	25	26	27	35	45	54	63	70	74	77	80
20°	25	26	28	38	48	57	67	72	75	79	82
17.5°	25	26	30	40	50	60	69	73	76	80	84
15°	25	26	32	42	52	62	70	74	78	81	85
12.5°	25	27	34	44	54	64	71	75	79	82	86
10°	26	27	35	45	56	66	72	76	79	83	87
7.5°	26	27	36	47	57	67	72	76	80	84	87
5°	26	27	37	47	58	68	73	77	81	85	88
2.5°	26	27	37	48	58	69	73	77	81	85	88
0°	26	27	38	48	59	69	73	77	81	85	88
-2.5°	26	27	37	48	58	69	73	77	81	85	88
-5°	26	27	37	47	58	68	73	77	81	85	88
-7.5°	26	27	36	47	57	67	72	76	80	84	87
-10°	26	27	35	45	56	66	72	76	79	83	87
-12.5°	25	27	34	44	54	64	71	75	79	82	86
-15°	25	26	32	42	52	62	70	74	78	81	85
-17.5°	25	26	30	40	50	60	69	73	76	80	84
-20°	25	26	28	38	48	57	67	72	75	79	82



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	25	26	27	35	45	54	63	70	74	77	80
-25°	24	25	27	33	42	51	60	68	72	75	79
-27.5°	24	25	26	29	38	47	56	64	70	73	77
-30°	24	25	26	27	35	43	51	60	68	71	74
-32.5°	23	24	25	26	31	39	47	55	62	69	72
-35°	23	24	25	26	27	34	42	50	57	64	70
-37.5°	23	24	25	26	26	30	37	44	51	58	65
-40°	22	23	24	25	26	27	32	39	45	52	58
-42.5°	22	23	24	25	25	26	27	33	39	45	51
-45°	22	22	23	24	25	26	26	27	33	39	44
-47.5°	22	22	23	23	24	25	26	26	27	32	37
-50°	21	22	22	23	24	24	25	26	26	27	30
-52.5°	21	22	22	22	23	24	24	25	25	26	26
-55°	21	21	22	22	22	23	23	24	25	25	26
-57.5°	21	21	21	22	22	22	23	23	24	24	25
-60°	21	21	21	21	22	22	22	22	23	23	24
-62.5°	20	21	21	21	21	21	22	22	22	22	23
-65°	20	20	21	21	21	21	21	21	22	22	22
-67.5°	20	20	20	21	21	21	21	21	21	21	22
-70°	20	20	20	20	20	21	21	21	21	21	21
-72.5°	20	20	20	20	20	20	20	20	21	21	21
-75°	20	20	20	20	20	20	20	20	20	20	20
-77.5°	20	20	20	20	20	20	20	20	20	20	20
-80°	20	20	20	20	20	20	20	20	20	20	20
-82.5°	20	20	20	20	20	20	20	20	20	20	20
-85°	20	20	20	20	20	20	20	20	20	20	20
-87.5°	20	20	20	20	20	20	20	20	20	20	20
-90°	20	20	20	20	20	20	20	20	20	20	20



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	20	20	20	20	20	20	20	20	20	20	20
87.5°	20	20	20	20	20	20	20	20	20	20	20
85°	20	20	20	20	20	20	20	20	20	20	20
82.5°	20	20	20	20	20	20	20	20	20	20	20
80°	20	20	20	20	20	20	20	20	20	20	20
77.5°	20	20	20	20	20	20	20	20	20	20	20
75°	20	21	21	21	21	21	21	21	21	21	21
72.5°	21	21	21	21	21	21	21	21	21	21	21
70°	21	21	21	22	22	22	22	22	22	22	22
67.5°	22	22	22	22	22	22	23	23	23	23	23
65°	22	22	23	23	23	23	24	24	24	24	24
62.5°	23	23	24	24	24	25	25	25	25	25	26
60°	24	24	25	25	25	26	26	26	26	27	27
57.5°	25	25	26	26	27	27	28	30	32	34	35
55°	26	26	27	29	33	35	38	40	42	44	45
52.5°	27	31	35	38	42	45	48	50	52	54	56
50°	34	39	43	47	51	54	57	60	62	64	66
47.5°	42	47	51	56	60	63	67	69	70	71	72
45°	50	55	60	64	68	70	72	73	74	75	76
42.5°	57	62	68	70	72	74	75	76	78	79	79
40°	64	69	71	73	75	77	79	80	81	82	83
37.5°	70	72	74	77	79	80	82	84	85	86	87
35°	72	75	77	80	82	84	85	87	88	89	90
32.5°	75	78	80	82	85	86	88	89	90	92	94
30°	77	80	83	85	87	89	90	93	96	99	101
27.5°	80	82	85	87	89	91	95	99	102	105	110
25°	82	85	87	89	92	96	100	104	111	117	123
22.5°	84	86	89	91	96	101	106	115	123	131	138
20°	85	88	90	95	100	106	116	126	136	144	152
17.5°	87	89	93	99	104	115	126	138	148	162	175
15°	88	90	96	102	111	123	136	148	165	190	226
12.5°	89	92	99	105	117	131	144	162	190	235	373
10°	90	94	101	110	123	138	152	175	226	373	608
7.5°	90	96	103	114	128	143	162	201	305	533	884
5°	91	97	104	117	132	147	170	221	388	718	1204
2.5°	91	98	105	118	134	149	174	234	439	837	1416
0°	91	98	105	119	135	150	176	238	457	878	1491
-2.5°	91	98	105	118	134	149	174	234	439	837	1416
-5°	91	97	104	117	132	147	170	221	388	718	1204
-7.5°	90	96	103	114	128	143	162	201	305	533	884
-10°	90	94	101	110	123	138	152	175	226	373	608
-12.5°	89	92	99	105	117	131	144	162	190	235	373
-15°	88	90	96	102	111	123	136	148	165	190	226
-17.5°	87	89	93	99	104	115	126	138	148	162	175
-20°	85	88	90	95	100	106	116	126	136	144	152



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	84	86	89	91	96	101	106	115	123	131	138
-25°	82	85	87	89	92	96	100	104	111	117	123
-27.5°	80	82	85	87	89	91	95	99	102	105	110
-30°	77	80	83	85	87	89	90	93	96	99	101
-32.5°	75	78	80	82	85	86	88	89	90	92	94
-35°	72	75	77	80	82	84	85	87	88	89	90
-37.5°	70	72	74	77	79	80	82	84	85	86	87
-40°	64	69	71	73	75	77	79	80	81	82	83
-42.5°	57	62	68	70	72	74	75	76	78	79	79
-45°	50	55	60	64	68	70	72	73	74	75	76
-47.5°	42	47	51	56	60	63	67	69	70	71	72
-50°	34	39	43	47	51	54	57	60	62	64	66
-52.5°	27	31	35	38	42	45	48	50	52	54	56
-55°	26	26	27	29	33	35	38	40	42	44	45
-57.5°	25	25	26	26	27	27	28	30	32	34	35
-60°	24	24	25	25	25	26	26	26	26	27	27
-62.5°	23	23	24	24	24	25	25	25	25	25	26
-65°	22	22	23	23	23	23	24	24	24	24	24
-67.5°	22	22	22	22	22	22	23	23	23	23	23
-70°	21	21	21	22	22	22	22	22	22	22	22
-72.5°	21	21	21	21	21	21	21	21	21	21	21
-75°	20	21	21	21	21	21	21	21	21	21	21
-77.5°	20	20	20	20	20	20	20	20	20	20	20
-80°	20	20	20	20	20	20	20	20	20	20	20
-82.5°	20	20	20	20	20	20	20	20	20	20	20
-85°	20	20	20	20	20	20	20	20	20	20	20
-87.5°	20	20	20	20	20	20	20	20	20	20	20
-90°	20	20	20	20	20	20	20	20	20	20	20



REPORT NUMBER: (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 205-35MR11-12-SP

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	20	20	20	20	20	20	20	20	20	20	20
87.5°	20	20	20	20	20	20	20	20	20	20	20
85°	20	20	20	20	20	20	20	20	20	20	20
82.5°	20	20	20	20	20	20	20	20	20	20	20
80°	20	20	20	20	20	20	20	20	20	20	20
77.5°	20	20	20	21	20	20	20	20	20	20	20
75°	21	21	21	21	21	21	21	21	21	21	21
72.5°	21	21	21	22	21	21	21	21	21	21	21
70°	22	22	22	22	22	22	22	22	22	22	22
67.5°	23	23	23	23	23	23	23	23	23	23	23
65°	24	24	24	25	24	24	24	24	24	24	24
62.5°	26	26	26	26	26	26	26	26	25	25	25
60°	27	27	27	27	27	27	27	27	27	26	26
57.5°	36	37	37	38	37	37	36	35	34	32	30
55°	47	47	48	48	48	47	47	45	44	42	40
52.5°	57	58	58	59	58	58	57	56	54	52	50
50°	67	68	69	69	69	68	67	66	64	62	60
47.5°	72	73	73	73	73	73	72	72	71	70	69
45°	76	77	77	77	77	77	76	76	75	74	73
42.5°	80	81	81	81	81	81	80	79	79	78	76
40°	84	85	85	85	85	85	84	83	82	81	80
37.5°	87	88	88	88	88	88	87	87	86	85	84
35°	90	91	91	91	91	91	90	90	89	88	87
32.5°	96	97	98	98	98	97	96	94	92	90	89
30°	103	104	105	105	105	104	103	101	99	96	93
27.5°	114	117	118	119	118	117	114	110	105	102	99
25°	128	132	134	135	134	132	128	123	117	111	104
22.5°	143	147	149	150	149	147	143	138	131	123	115
20°	162	170	174	176	174	170	162	152	144	136	126
17.5°	201	221	234	238	234	221	201	175	162	148	138
15°	305	388	439	457	439	388	305	226	190	165	148
12.5°	533	718	837	878	837	718	533	373	235	190	162
10°	884	1204	1416	1491	1416	1204	884	608	373	226	175
7.5°	1346	1814	2114	2217	2114	1814	1346	884	533	305	201
5°	1814	2314	2619	2728	2619	2314	1814	1204	718	388	221
2.5°	2114	2619	2911	2991	2911	2619	2114	1416	837	439	234
0°	2217	2728	2991	3000	2991	2728	2217	1491	878	457	238
-2.5°	2114	2619	2911	2991	2911	2619	2114	1416	837	439	234
-5°	1814	2314	2619	2728	2619	2314	1814	1204	718	388	221
-7.5°	1346	1814	2114	2217	2114	1814	1346	884	533	305	201
-10°	884	1204	1416	1491	1416	1204	884	608	373	226	175
-12.5°	533	718	837	878	837	718	533	373	235	190	162
-15°	305	388	439	457	439	388	305	226	190	165	148
-17.5°	201	221	234	238	234	221	201	175	162	148	138
-20°	162	170	174	176	174	170	162	152	144	136	126



REPORT NUMBER: (CONVERTED FROM TYPE C PHOTOMETRY)

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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	143	147	149	150	149	147	143	138	131	123	115
-25°	128	132	134	135	134	132	128	123	117	111	104
-27.5°	114	117	118	119	118	117	114	110	105	102	99
-30°	103	104	105	105	105	104	103	101	99	96	93
-32.5°	96	97	98	98	98	97	96	94	92	90	89
-35°	90	91	91	91	91	91	90	90	89	88	87
-37.5°	87	88	88	88	88	88	87	87	86	85	84
-40°	84	85	85	85	85	85	84	83	82	81	80
-42.5°	80	81	81	81	81	81	80	79	79	78	76
-45°	76	77	77	77	77	77	76	76	75	74	73
-47.5°	72	73	73	73	73	73	72	72	71	70	69
-50°	67	68	69	69	69	68	67	66	64	62	60
-52.5°	57	58	58	59	58	58	57	56	54	52	50
-55°	47	47	48	48	48	47	47	45	44	42	40
-57.5°	36	37	37	38	37	37	36	35	34	32	30
-60°	27	27	27	27	27	27	27	27	27	26	26
-62.5°	26	26	26	26	26	26	26	26	25	25	25
-65°	24	24	24	25	24	24	24	24	24	24	24
-67.5°	23	23	23	23	23	23	23	23	23	23	23
-70°	22	22	22	22	22	22	22	22	22	22	22
-72.5°	21	21	21	22	21	21	21	21	21	21	21
-75°	21	21	21	21	21	21	21	21	21	21	21
-77.5°	20	20	20	21	20	20	20	20	20	20	20
-80°	20	20	20	20	20	20	20	20	20	20	20
-82.5°	20	20	20	20	20	20	20	20	20	20	20
-85°	20	20	20	20	20	20	20	20	20	20	20
-87.5°	20	20	20	20	20	20	20	20	20	20	20
-90°	20	20	20	20	20	20	20	20	20	20	20



REPORT NUMBER: (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 205-35MR11-12-SP

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	20	20	20	20	20	20	20	20	20	20	20
87.5°	20	20	20	20	20	20	20	20	20	20	20
85°	20	20	20	20	20	20	20	20	20	20	20
82.5°	20	20	20	20	20	20	20	20	20	20	20
80°	20	20	20	20	20	20	20	20	20	20	20
77.5°	20	20	20	20	20	20	20	20	20	20	20
75°	21	21	21	21	21	21	20	20	20	20	20
72.5°	21	21	21	21	21	21	21	21	21	21	20
70°	22	22	22	22	21	21	21	21	21	21	21
67.5°	23	22	22	22	22	22	22	22	21	21	21
65°	24	23	23	23	23	22	22	22	22	22	21
62.5°	25	25	24	24	24	23	23	23	22	22	22
60°	26	26	25	25	25	24	24	24	23	23	22
57.5°	28	27	27	26	26	25	25	25	24	24	23
55°	38	35	33	29	27	26	26	26	25	25	24
52.5°	48	45	42	38	35	31	27	26	26	25	25
50°	57	54	51	47	43	39	34	30	27	26	26
47.5°	67	63	60	56	51	47	42	37	32	27	26
45°	72	70	68	64	60	55	50	44	39	33	27
42.5°	75	74	72	70	68	62	57	51	45	39	33
40°	79	77	75	73	71	69	64	58	52	45	39
37.5°	82	80	79	77	74	72	70	65	58	51	44
35°	85	84	82	80	77	75	72	70	64	57	50
32.5°	88	86	85	82	80	78	75	72	69	62	55
30°	90	89	87	85	83	80	77	74	71	68	60
27.5°	95	91	89	87	85	82	80	77	73	70	64
25°	100	96	92	89	87	85	82	79	75	72	68
22.5°	106	101	96	91	89	86	84	80	77	74	70
20°	116	106	100	95	90	88	85	82	79	75	72
17.5°	126	115	104	99	93	89	87	84	80	76	73
15°	136	123	111	102	96	90	88	85	81	78	74
12.5°	144	131	117	105	99	92	89	86	82	79	75
10°	152	138	123	110	101	94	90	87	83	79	76
7.5°	162	143	128	114	103	96	90	87	84	80	76
5°	170	147	132	117	104	97	91	88	85	81	77
2.5°	174	149	134	118	105	98	91	88	85	81	77
0°	176	150	135	119	105	98	91	88	85	81	77
-2.5°	174	149	134	118	105	98	91	88	85	81	77
-5°	170	147	132	117	104	97	91	88	85	81	77
-7.5°	162	143	128	114	103	96	90	87	84	80	76
-10°	152	138	123	110	101	94	90	87	83	79	76
-12.5°	144	131	117	105	99	92	89	86	82	79	75
-15°	136	123	111	102	96	90	88	85	81	78	74
-17.5°	126	115	104	99	93	89	87	84	80	76	73
-20°	116	106	100	95	90	88	85	82	79	75	72



REPORT NUMBER: (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	106	101	96	91	89	86	84	80	77	74	70
-25°	100	96	92	89	87	85	82	79	75	72	68
-27.5°	95	91	89	87	85	82	80	77	73	70	64
-30°	90	89	87	85	83	80	77	74	71	68	60
-32.5°	88	86	85	82	80	78	75	72	69	62	55
-35°	85	84	82	80	77	75	72	70	64	57	50
-37.5°	82	80	79	77	74	72	70	65	58	51	44
-40°	79	77	75	73	71	69	64	58	52	45	39
-42.5°	75	74	72	70	68	62	57	51	45	39	33
-45°	72	70	68	64	60	55	50	44	39	33	27
-47.5°	67	63	60	56	51	47	42	37	32	27	26
-50°	57	54	51	47	43	39	34	30	27	26	26
-52.5°	48	45	42	38	35	31	27	26	26	25	25
-55°	38	35	33	29	27	26	26	26	25	25	24
-57.5°	28	27	27	26	26	25	25	25	24	24	23
-60°	26	26	25	25	25	24	24	24	23	23	22
-62.5°	25	25	24	24	24	23	23	23	22	22	22
-65°	24	23	23	23	23	22	22	22	22	22	21
-67.5°	23	22	22	22	22	22	22	22	21	21	21
-70°	22	22	22	22	21	21	21	21	21	21	21
-72.5°	21	21	21	21	21	21	21	21	21	21	20
-75°	21	21	21	21	21	21	20	20	20	20	20
-77.5°	20	20	20	20	20	20	20	20	20	20	20
-80°	20	20	20	20	20	20	20	20	20	20	20
-82.5°	20	20	20	20	20	20	20	20	20	20	20
-85°	20	20	20	20	20	20	20	20	20	20	20
-87.5°	20	20	20	20	20	20	20	20	20	20	20
-90°	20	20	20	20	20	20	20	20	20	20	20



REPORT NUMBER: (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 205-35MR11-12-SP

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	20	20	20	20	20	20	20	20	20	20	20
87.5°	20	20	20	20	20	20	20	20	20	20	20
85°	20	20	20	20	20	20	20	20	20	20	20
82.5°	20	20	20	20	20	20	20	20	20	20	20
80°	20	20	20	20	20	20	20	20	20	20	20
77.5°	20	20	20	20	20	20	20	20	20	20	20
75°	20	20	20	20	20	20	20	20	20	20	20
72.5°	20	20	20	20	20	20	20	20	20	20	20
70°	21	21	20	20	20	20	20	20	20	20	20
67.5°	21	21	21	21	20	20	20	20	20	20	20
65°	21	21	21	21	21	20	20	20	20	20	20
62.5°	22	21	21	21	21	21	20	20	20	20	20
60°	22	22	22	21	21	21	21	20	20	20	20
57.5°	23	22	22	22	21	21	21	21	20	20	20
55°	23	23	22	22	22	21	21	21	21	20	20
52.5°	24	24	23	22	22	22	21	21	21	20	20
50°	25	24	24	23	22	22	21	21	21	21	20
47.5°	26	25	24	23	23	22	22	21	21	21	20
45°	26	26	25	24	23	22	22	21	21	21	20
42.5°	27	26	25	25	24	23	22	22	21	21	21
40°	32	27	26	25	24	23	22	22	21	21	21
37.5°	37	30	26	26	25	24	23	22	22	21	21
35°	42	34	27	26	25	24	23	22	22	21	21
32.5°	47	39	31	26	25	24	23	22	22	21	21
30°	51	43	35	27	26	25	24	23	22	21	21
27.5°	56	47	38	29	26	25	24	23	22	22	21
25°	60	51	42	33	27	25	24	23	22	22	21
22.5°	63	54	45	35	27	26	25	23	22	22	21
20°	67	57	48	38	28	26	25	24	23	22	21
17.5°	69	60	50	40	30	26	25	24	23	22	21
15°	70	62	52	42	32	26	25	24	23	22	21
12.5°	71	64	54	44	34	27	25	24	23	22	21
10°	72	66	56	45	35	27	26	24	23	22	21
7.5°	72	67	57	47	36	27	26	24	23	22	21
5°	73	68	58	47	37	27	26	24	23	22	21
2.5°	73	69	58	48	37	27	26	24	23	22	21
0°	73	69	59	48	38	27	26	25	23	22	22
-2.5°	73	69	58	48	37	27	26	24	23	22	21
-5°	73	68	58	47	37	27	26	24	23	22	21
-7.5°	72	67	57	47	36	27	26	24	23	22	21
-10°	72	66	56	45	35	27	26	24	23	22	21
-12.5°	71	64	54	44	34	27	25	24	23	22	21
-15°	70	62	52	42	32	26	25	24	23	22	21
-17.5°	69	60	50	40	30	26	25	24	23	22	21
-20°	67	57	48	38	28	26	25	24	23	22	21



REPORT NUMBER: (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	63	54	45	35	27	26	25	23	22	22	21
-25°	60	51	42	33	27	25	24	23	22	22	21
-27.5°	56	47	38	29	26	25	24	23	22	22	21
-30°	51	43	35	27	26	25	24	23	22	21	21
-32.5°	47	39	31	26	25	24	23	22	22	21	21
-35°	42	34	27	26	25	24	23	22	22	21	21
-37.5°	37	30	26	26	25	24	23	22	22	21	21
-40°	32	27	26	25	24	23	22	22	21	21	21
-42.5°	27	26	25	25	24	23	22	22	21	21	21
-45°	26	26	25	24	23	22	22	21	21	21	20
-47.5°	26	25	24	23	23	22	22	21	21	21	20
-50°	25	24	24	23	22	22	21	21	21	21	20
-52.5°	24	24	23	22	22	22	21	21	21	20	20
-55°	23	23	22	22	22	21	21	21	21	20	20
-57.5°	23	22	22	22	21	21	21	21	20	20	20
-60°	22	22	22	21	21	21	21	20	20	20	20
-62.5°	22	21	21	21	21	21	20	20	20	20	20
-65°	21	21	21	21	21	20	20	20	20	20	20
-67.5°	21	21	21	21	20	20	20	20	20	20	20
-70°	21	21	20	20	20	20	20	20	20	20	20
-72.5°	20	20	20	20	20	20	20	20	20	20	20
-75°	20	20	20	20	20	20	20	20	20	20	20
-77.5°	20	20	20	20	20	20	20	20	20	20	20
-80°	20	20	20	20	20	20	20	20	20	20	20
-82.5°	20	20	20	20	20	20	20	20	20	20	20
-85°	20	20	20	20	20	20	20	20	20	20	20
-87.5°	20	20	20	20	20	20	20	20	20	20	20
-90°	20	20	20	20	20	20	20	20	20	20	20



REPORT NUMBER: (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 205-35MR11-12-SP

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	20	20	20	20	20	20	20
87.5°	20	20	20	20	20	20	20
85°	20	20	20	20	20	20	20
82.5°	20	20	20	20	20	20	20
80°	20	20	20	20	20	20	20
77.5°	20	20	20	20	20	20	20
75°	20	20	20	20	20	20	20
72.5°	20	20	20	20	20	20	20
70°	20	20	20	20	20	20	20
67.5°	20	20	20	20	20	20	20
65°	20	20	20	20	20	20	20
62.5°	20	20	20	20	20	20	20
60°	20	20	20	20	20	20	20
57.5°	20	20	20	20	20	20	20
55°	20	20	20	20	20	20	20
52.5°	20	20	20	20	20	20	20
50°	20	20	20	20	20	20	20
47.5°	20	20	20	20	20	20	20
45°	20	20	20	20	20	20	20
42.5°	20	20	20	20	20	20	20
40°	20	20	20	20	20	20	20
37.5°	20	20	20	20	20	20	20
35°	20	20	20	20	20	20	20
32.5°	21	20	20	20	20	20	20
30°	21	20	20	20	20	20	20
27.5°	21	20	20	20	20	20	20
25°	21	20	20	20	20	20	20
22.5°	21	20	20	20	20	20	20
20°	21	20	20	20	20	20	20
17.5°	21	20	20	20	20	20	20
15°	21	20	20	20	20	20	20
12.5°	21	20	20	20	20	20	20
10°	21	20	20	20	20	20	20
7.5°	21	20	20	20	20	20	20
5°	21	20	20	20	20	20	20
2.5°	21	20	20	20	20	20	20
0°	21	21	20	20	20	20	20
-2.5°	21	20	20	20	20	20	20
-5°	21	20	20	20	20	20	20
-7.5°	21	20	20	20	20	20	20
-10°	21	20	20	20	20	20	20
-12.5°	21	20	20	20	20	20	20
-15°	21	20	20	20	20	20	20
-17.5°	21	20	20	20	20	20	20
-20°	21	20	20	20	20	20	20



REPORT NUMBER: (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 205-35MR11-12-SP

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	21	20	20	20	20	20	20
-25°	21	20	20	20	20	20	20
-27.5°	21	20	20	20	20	20	20
-30°	21	20	20	20	20	20	20
-32.5°	21	20	20	20	20	20	20
-35°	20	20	20	20	20	20	20
-37.5°	20	20	20	20	20	20	20
-40°	20	20	20	20	20	20	20
-42.5°	20	20	20	20	20	20	20
-45°	20	20	20	20	20	20	20
-47.5°	20	20	20	20	20	20	20
-50°	20	20	20	20	20	20	20
-52.5°	20	20	20	20	20	20	20
-55°	20	20	20	20	20	20	20
-57.5°	20	20	20	20	20	20	20
-60°	20	20	20	20	20	20	20
-62.5°	20	20	20	20	20	20	20
-65°	20	20	20	20	20	20	20
-67.5°	20	20	20	20	20	20	20
-70°	20	20	20	20	20	20	20
-72.5°	20	20	20	20	20	20	20
-75°	20	20	20	20	20	20	20
-77.5°	20	20	20	20	20	20	20
-80°	20	20	20	20	20	20	20
-82.5°	20	20	20	20	20	20	20
-85°	20	20	20	20	20	20	20
-87.5°	20	20	20	20	20	20	20
-90°	20	20	20	20	20	20	20

(END OF REPORT)