

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-NFL**

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-NFL  
Description:  
Light Source: Q35MR11/NFL30°-FTH  
Bare Lamp Data for 205  
Ballast/Driver: -

**Summary**

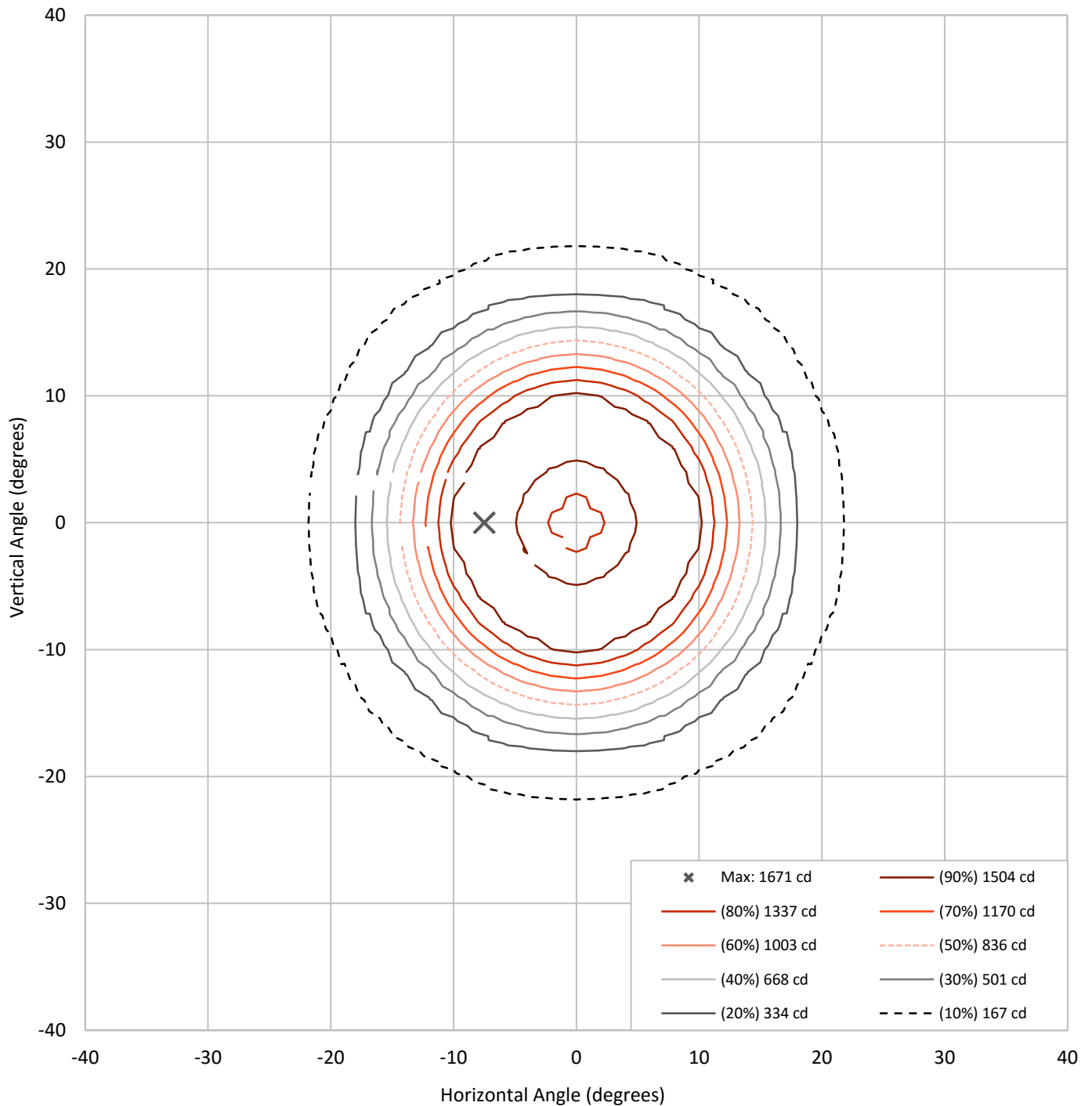
Lumens per Lamp:	629 (1 lamp)	NEMA Type:	3H x 3V
Luminaire Lumens:	655.2 lumens	Max Intensity:	1671 candela
Efficiency:	104.2%	Max Intensity Angle:	-7.5°H x 0°V
Efficacy:	NR		
Luminous Opening:	Point Source (0' x 0' x 0')		
Beam Angle (50%):	28.7°H x 24.5°V	Field Angle (10%):	43.6°H x 41.5°V
Beam Lumens:	275.5 lumens	Field Lumens:	361.8 lumens
Beam Efficiency:	42.0%	Field Efficiency:	55.2%
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



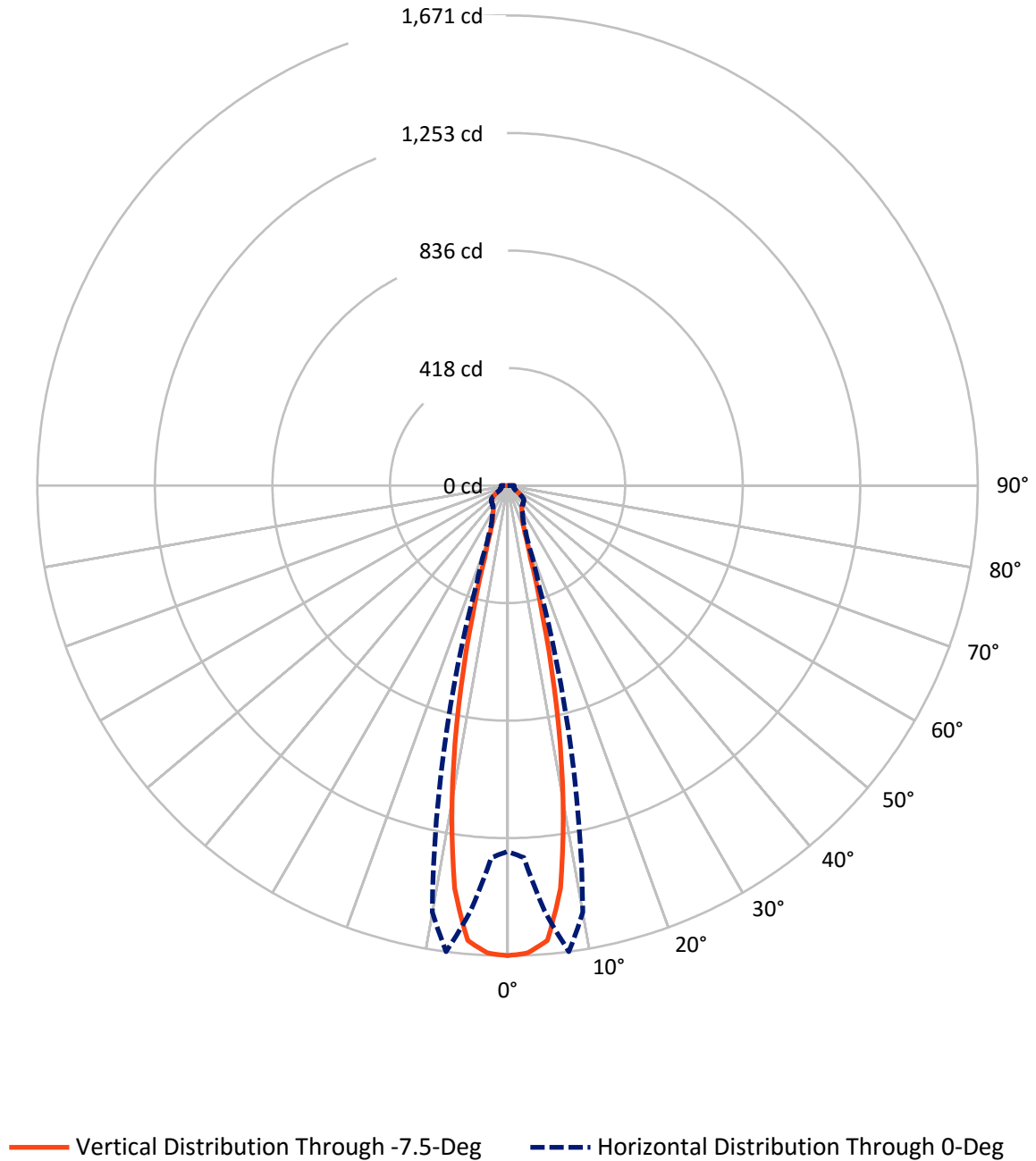
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### Lumen Table

90																
80	0.5	1.4		2.1		2.6		2.8		2.6		2.1		1.4		0.5
70																
60	0.5	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.5
50		0.3	0.4	0.6	0.8	1.1	1.4	1.6	1.6	1.4	1.1	0.8	0.6	0.4	0.3	
40	0.5	0.3	0.5	0.8	1.4	2.0	2.3	2.4	2.4	2.3	2.0	1.4	0.8	0.5	0.3	0.5
30		0.3	0.6	1.2	1.9	2.3	2.6	2.8	2.8	2.6	2.3	1.9	1.2	0.6	0.3	
20	0.5	0.3	0.7	1.5	2.1	2.6	3.3	4.0	4.0	3.3	2.6	2.1	1.5	0.7	0.3	0.5
10		0.4	0.9	1.7	2.2	3.1	6.8	19.5	19.5	6.8	3.1	2.2	1.7	0.9	0.4	
0	0.5	0.4	0.9	1.7	2.3	3.7	19.0	45.5	45.5	19.0	3.7	2.3	1.7	0.9	0.4	0.5
-10		0.4	0.9	1.7	2.3	3.7	19.0	45.5	45.5	19.0	3.7	2.3	1.7	0.9	0.4	
-20	0.5	0.4	0.9	1.7	2.2	3.1	6.8	19.5	19.5	6.8	3.1	2.2	1.7	0.9	0.4	0.5
-30		0.3	0.7	1.5	2.1	2.6	3.3	4.0	4.0	3.3	2.6	2.1	1.5	0.7	0.3	
-40	0.5	0.3	0.6	1.2	1.9	2.3	2.6	2.8	2.8	2.6	2.3	1.9	1.2	0.6	0.3	0.5
-50		0.3	0.5	0.8	1.4	2.0	2.3	2.4	2.4	2.3	2.0	1.4	0.8	0.5	0.3	
-60	0.5	0.3	0.4	0.6	0.8	1.1	1.4	1.6	1.6	1.4	1.1	0.8	0.6	0.4	0.3	0.5
-70		0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	
-80																
-90	0.5	1.4		2.1		2.6		2.8		2.6		2.1		1.4		0.5
-90																
-80																
-70																
-60																
-50																
-40																
-30																
-20																
-10																
0																
10																
20																
30																
40																
50																
60																
70																
80																
90																
Horizontal Angle (degrees)																

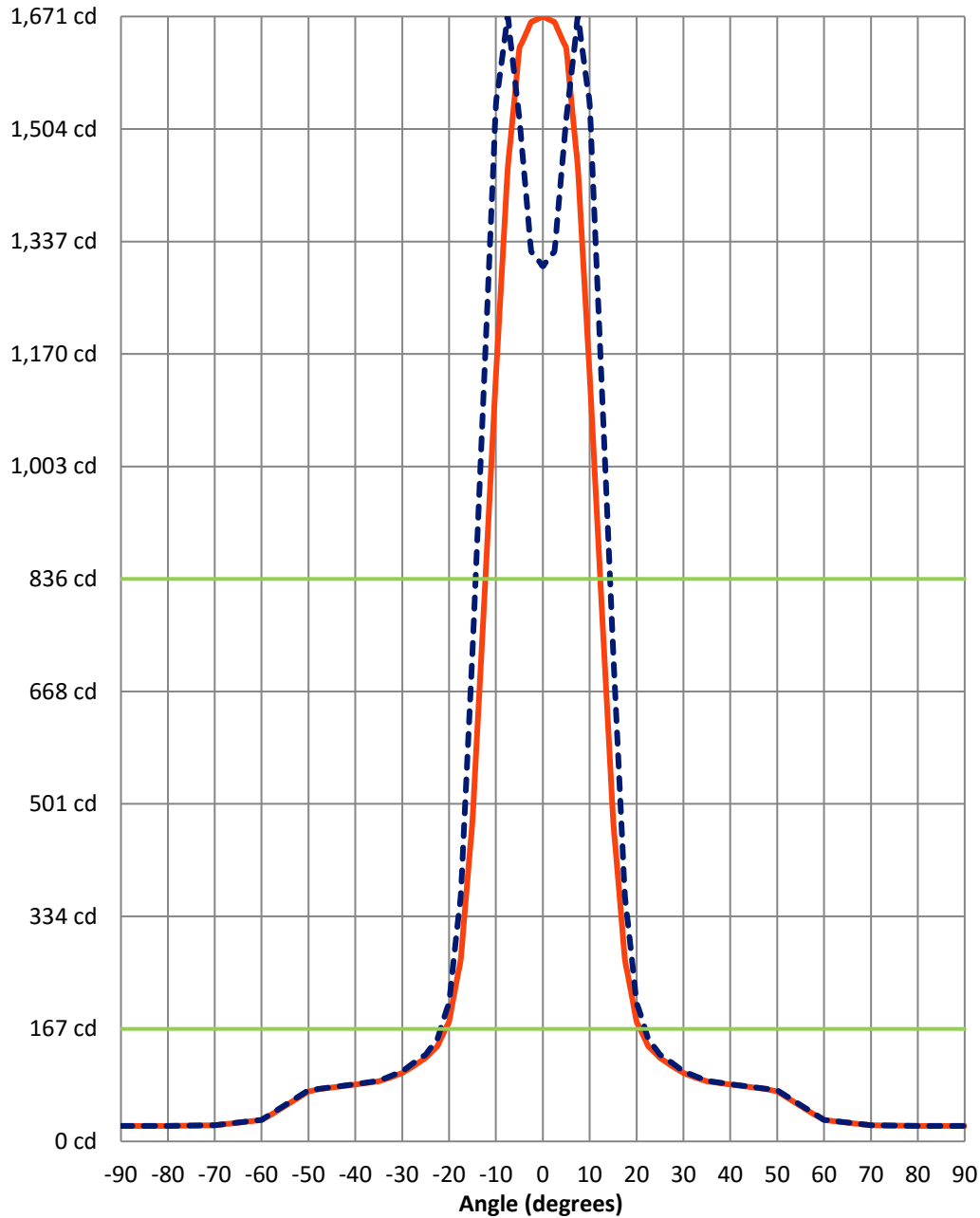
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 28.7°  
 V Angle: 24.5°  
 Lumens: 275.5  
 Efficiency: 42.0%

**Field:**  
 H Angle: 43.6°  
 V Angle: 41.5°  
 Lumens: 361.8  
 Efficiency: 55.2%

**Spill:**  
 Lumens: 293.4  
 Efficiency: 44.8%

— Vertical Distribution through -7.5-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°	23	23	23	23	23	23	23	23	23	23	23
87.5°	23	23	23	23	23	23	23	23	23	23	23
85°	23	23	23	23	23	23	23	23	23	23	23
82.5°	23	23	23	23	23	23	23	23	23	23	23
80°	23	23	23	23	23	23	23	23	23	23	23
77.5°	23	23	23	23	23	23	23	23	23	23	23
75°	23	23	23	23	23	23	23	23	23	23	23
72.5°	23	23	23	23	23	23	23	23	23	23	23
70°	23	23	23	23	23	23	23	23	23	23	23
67.5°	23	23	23	23	23	23	23	23	23	23	23
65°	23	23	23	23	23	23	23	23	23	23	23
62.5°	23	23	23	23	23	23	23	23	23	23	23
60°	23	23	23	23	23	23	23	23	23	23	23
57.5°	23	23	23	23	23	23	23	23	23	23	23
55°	23	23	23	23	23	23	23	23	23	23	23
52.5°	23	23	23	23	23	23	23	23	23	23	23
50°	23	23	23	23	23	23	23	23	23	23	24
47.5°	23	23	23	23	23	23	23	23	23	23	24
45°	23	23	23	23	23	23	23	23	23	24	24
42.5°	23	23	23	23	23	23	23	23	23	24	24
40°	23	23	23	23	23	23	23	23	24	24	24
37.5°	23	23	23	23	23	23	23	23	24	24	24
35°	23	23	23	23	23	23	23	23	24	24	24
32.5°	23	23	23	23	23	23	23	23	24	24	25
30°	23	23	23	23	23	23	23	24	24	24	25
27.5°	23	23	23	23	23	23	23	24	24	24	26
25°	23	23	23	23	23	23	23	24	24	24	26
22.5°	23	23	23	23	23	23	23	24	24	25	26
20°	23	23	23	23	23	23	23	24	24	25	27
17.5°	23	23	23	23	23	23	23	24	24	25	27
15°	23	23	23	23	23	23	23	24	24	25	27
12.5°	23	23	23	23	23	23	23	24	24	26	27
10°	23	23	23	23	23	23	23	24	24	26	28
7.5°	23	23	23	23	23	23	23	24	24	26	28
5°	23	23	23	23	23	23	23	24	24	26	28
2.5°	23	23	23	23	23	23	23	24	24	26	28
0°	23	23	23	23	23	23	24	24	24	26	28
-2.5°	23	23	23	23	23	23	23	24	24	26	28
-5°	23	23	23	23	23	23	23	24	24	26	28
-7.5°	23	23	23	23	23	23	23	24	24	26	28
-10°	23	23	23	23	23	23	23	24	24	26	28
-12.5°	23	23	23	23	23	23	23	24	24	26	27
-15°	23	23	23	23	23	23	23	24	24	25	27
-17.5°	23	23	23	23	23	23	23	24	24	25	27
-20°	23	23	23	23	23	23	23	24	24	25	27



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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°	23	23	23	23	23	23	23	24	24	25	26
-25°	23	23	23	23	23	23	23	24	24	24	26
-27.5°	23	23	23	23	23	23	23	24	24	24	26
-30°	23	23	23	23	23	23	23	24	24	24	25
-32.5°	23	23	23	23	23	23	23	23	24	24	25
-35°	23	23	23	23	23	23	23	23	24	24	24
-37.5°	23	23	23	23	23	23	23	23	24	24	24
-40°	23	23	23	23	23	23	23	23	24	24	24
-42.5°	23	23	23	23	23	23	23	23	23	24	24
-45°	23	23	23	23	23	23	23	23	23	24	24
-47.5°	23	23	23	23	23	23	23	23	23	23	24
-50°	23	23	23	23	23	23	23	23	23	23	24
-52.5°	23	23	23	23	23	23	23	23	23	23	23
-55°	23	23	23	23	23	23	23	23	23	23	23
-57.5°	23	23	23	23	23	23	23	23	23	23	23
-60°	23	23	23	23	23	23	23	23	23	23	23
-62.5°	23	23	23	23	23	23	23	23	23	23	23
-65°	23	23	23	23	23	23	23	23	23	23	23
-67.5°	23	23	23	23	23	23	23	23	23	23	23
-70°	23	23	23	23	23	23	23	23	23	23	23
-72.5°	23	23	23	23	23	23	23	23	23	23	23
-75°	23	23	23	23	23	23	23	23	23	23	23
-77.5°	23	23	23	23	23	23	23	23	23	23	23
-80°	23	23	23	23	23	23	23	23	23	23	23
-82.5°	23	23	23	23	23	23	23	23	23	23	23
-85°	23	23	23	23	23	23	23	23	23	23	23
-87.5°	23	23	23	23	23	23	23	23	23	23	23
-90°	23	23	23	23	23	23	23	23	23	23	23





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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°	23	23	23	23	23	23	23	23	23	23	23
87.5°	23	23	23	23	23	23	23	23	23	23	23
85°	23	23	23	23	23	23	23	23	23	23	23
82.5°	23	23	23	23	23	23	23	23	23	23	23
80°	23	23	23	23	23	23	23	23	23	23	23
77.5°	23	23	23	23	23	23	23	23	23	23	23
75°	23	23	23	23	23	23	23	23	23	23	23
72.5°	23	23	23	23	23	23	23	23	23	23	23
70°	23	23	23	23	23	23	23	23	23	24	24
67.5°	23	23	23	23	23	23	23	24	24	24	24
65°	23	23	23	23	23	24	24	24	24	24	24
62.5°	23	23	23	24	24	24	24	24	24	25	25
60°	23	23	24	24	24	24	24	25	25	26	27
57.5°	23	24	24	24	24	24	25	26	27	27	28
55°	24	24	24	24	24	25	26	27	28	29	30
52.5°	24	24	24	24	25	26	27	28	29	30	31
50°	24	24	24	25	26	28	29	30	31	32	35
47.5°	24	24	25	26	27	29	30	31	32	37	43
45°	24	25	26	27	28	30	31	32	38	44	50
42.5°	24	25	27	28	29	31	32	38	45	51	58
40°	25	26	27	29	30	32	37	44	51	58	65
37.5°	25	27	28	30	31	35	43	50	58	65	72
35°	26	27	29	30	32	40	48	56	63	71	76
32.5°	26	28	30	31	36	44	53	61	69	76	78
30°	27	29	30	32	40	49	58	66	75	77	79
27.5°	27	29	31	35	44	53	62	71	77	79	80
25°	28	30	31	38	47	57	66	75	78	80	81
22.5°	28	30	32	41	51	60	70	77	79	81	82
20°	29	30	33	44	54	63	73	77	79	81	83
17.5°	29	31	36	46	56	66	76	78	80	82	84
15°	29	31	38	48	58	69	77	79	81	83	85
12.5°	29	31	39	50	60	71	77	79	81	84	86
10°	30	32	41	51	62	73	78	80	82	84	86
7.5°	30	32	42	52	63	74	78	80	82	84	87
5°	30	32	42	53	64	75	78	80	83	85	87
2.5°	30	32	43	54	65	76	78	80	83	85	87
0°	30	32	43	54	65	76	78	81	83	85	88
-2.5°	30	32	43	54	65	76	78	80	83	85	87
-5°	30	32	42	53	64	75	78	80	83	85	87
-7.5°	30	32	42	52	63	74	78	80	82	84	87
-10°	30	32	41	51	62	73	78	80	82	84	86
-12.5°	29	31	39	50	60	71	77	79	81	84	86
-15°	29	31	38	48	58	69	77	79	81	83	85
-17.5°	29	31	36	46	56	66	76	78	80	82	84
-20°	29	30	33	44	54	63	73	77	79	81	83



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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°	28	30	32	41	51	60	70	77	79	81	82
-25°	28	30	31	38	47	57	66	75	78	80	81
-27.5°	27	29	31	35	44	53	62	71	77	79	80
-30°	27	29	30	32	40	49	58	66	75	77	79
-32.5°	26	28	30	31	36	44	53	61	69	76	78
-35°	26	27	29	30	32	40	48	56	63	71	76
-37.5°	25	27	28	30	31	35	43	50	58	65	72
-40°	25	26	27	29	30	32	37	44	51	58	65
-42.5°	24	25	27	28	29	31	32	38	45	51	58
-45°	24	25	26	27	28	30	31	32	38	44	50
-47.5°	24	24	25	26	27	29	30	31	32	37	43
-50°	24	24	24	25	26	28	29	30	31	32	35
-52.5°	24	24	24	24	25	26	27	28	29	30	31
-55°	24	24	24	24	24	25	26	27	28	29	30
-57.5°	23	24	24	24	24	24	25	26	27	27	28
-60°	23	23	24	24	24	24	24	25	25	26	27
-62.5°	23	23	23	24	24	24	24	24	24	25	25
-65°	23	23	23	23	23	24	24	24	24	24	24
-67.5°	23	23	23	23	23	23	23	24	24	24	24
-70°	23	23	23	23	23	23	23	23	23	24	24
-72.5°	23	23	23	23	23	23	23	23	23	23	23
-75°	23	23	23	23	23	23	23	23	23	23	23
-77.5°	23	23	23	23	23	23	23	23	23	23	23
-80°	23	23	23	23	23	23	23	23	23	23	23
-82.5°	23	23	23	23	23	23	23	23	23	23	23
-85°	23	23	23	23	23	23	23	23	23	23	23
-87.5°	23	23	23	23	23	23	23	23	23	23	23
-90°	23	23	23	23	23	23	23	23	23	23	23



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	23	23	23	23	23	23	23	23	23	23	23
87.5°	23	23	23	23	23	23	23	23	23	23	23
85°	23	23	23	23	23	23	23	23	23	23	23
82.5°	23	23	23	23	23	23	23	23	23	23	23
80°	23	23	23	23	23	23	23	23	23	23	23
77.5°	23	23	23	23	23	23	23	23	23	23	23
75°	23	23	23	23	23	23	23	23	23	23	23
72.5°	23	23	24	24	24	24	24	24	24	24	24
70°	24	24	24	24	24	24	24	24	24	24	24
67.5°	24	24	24	24	24	25	25	25	25	26	26
65°	24	25	25	26	26	26	27	27	27	27	28
62.5°	26	26	27	27	28	28	29	29	29	29	30
60°	27	28	29	29	30	30	30	31	31	31	32
57.5°	29	30	30	31	31	32	33	36	38	39	41
55°	30	31	32	35	38	41	44	46	48	50	51
52.5°	32	36	40	44	47	51	54	56	58	60	62
50°	40	44	49	53	57	60	63	66	69	71	73
47.5°	48	53	58	62	66	70	73	76	77	77	78
45°	56	61	66	71	75	77	77	78	79	79	80
42.5°	63	69	75	77	78	79	79	80	81	81	82
40°	71	76	77	79	80	81	81	82	83	84	84
37.5°	76	78	79	80	81	82	83	84	85	86	86
35°	78	79	81	82	83	84	85	86	87	88	89
32.5°	79	81	82	84	85	86	87	89	90	91	93
30°	81	82	84	85	87	88	89	92	95	98	100
27.5°	82	84	85	87	89	90	94	98	101	104	109
25°	83	85	87	89	91	95	99	103	110	116	120
22.5°	84	86	88	90	95	100	105	113	120	126	133
20°	85	87	89	94	99	105	114	123	131	143	157
17.5°	86	89	92	98	103	113	123	133	148	176	205
15°	87	90	95	101	110	120	131	148	183	243	336
12.5°	88	91	98	104	116	126	143	176	243	359	590
10°	89	93	100	109	120	133	157	205	336	590	874
7.5°	89	95	102	112	124	141	178	271	478	802	1138
5°	90	96	103	115	127	147	194	323	614	980	1350
2.5°	90	97	104	116	128	151	204	355	700	1095	1491
0°	90	97	104	117	129	152	207	366	729	1134	1540
-2.5°	90	97	104	116	128	151	204	355	700	1095	1491
-5°	90	96	103	115	127	147	194	323	614	980	1350
-7.5°	89	95	102	112	124	141	178	271	478	802	1138
-10°	89	93	100	109	120	133	157	205	336	590	874
-12.5°	88	91	98	104	116	126	143	176	243	359	590
-15°	87	90	95	101	110	120	131	148	183	243	336
-17.5°	86	89	92	98	103	113	123	133	148	176	205
-20°	85	87	89	94	99	105	114	123	131	143	157



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 CATALOG NUMBER: 205-35MR11-12-NFL

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	84	86	88	90	95	100	105	113	120	126	133
-25°	83	85	87	89	91	95	99	103	110	116	120
-27.5°	82	84	85	87	89	90	94	98	101	104	109
-30°	81	82	84	85	87	88	89	92	95	98	100
-32.5°	79	81	82	84	85	86	87	89	90	91	93
-35°	78	79	81	82	83	84	85	86	87	88	89
-37.5°	76	78	79	80	81	82	83	84	85	86	86
-40°	71	76	77	79	80	81	81	82	83	84	84
-42.5°	63	69	75	77	78	79	79	80	81	81	82
-45°	56	61	66	71	75	77	77	78	79	79	80
-47.5°	48	53	58	62	66	70	73	76	77	77	78
-50°	40	44	49	53	57	60	63	66	69	71	73
-52.5°	32	36	40	44	47	51	54	56	58	60	62
-55°	30	31	32	35	38	41	44	46	48	50	51
-57.5°	29	30	30	31	31	32	33	36	38	39	41
-60°	27	28	29	29	30	30	30	31	31	31	32
-62.5°	26	26	27	27	28	28	29	29	29	29	30
-65°	24	25	25	26	26	26	27	27	27	27	28
-67.5°	24	24	24	24	24	25	25	25	25	26	26
-70°	24	24	24	24	24	24	24	24	24	24	24
-72.5°	23	23	24	24	24	24	24	24	24	24	24
-75°	23	23	23	23	23	23	23	23	23	23	23
-77.5°	23	23	23	23	23	23	23	23	23	23	23
-80°	23	23	23	23	23	23	23	23	23	23	23
-82.5°	23	23	23	23	23	23	23	23	23	23	23
-85°	23	23	23	23	23	23	23	23	23	23	23
-87.5°	23	23	23	23	23	23	23	23	23	23	23
-90°	23	23	23	23	23	23	23	23	23	23	23



REPORT NUMBER: (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 205-35MR11-12-NFL

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	23	23	23	23	23	23	23	23	23	23	23
87.5°	23	23	23	23	23	23	23	23	23	23	23
85°	23	23	23	23	23	23	23	23	23	23	23
82.5°	23	23	23	23	23	23	23	23	23	23	23
80°	23	23	23	23	23	23	23	23	23	23	23
77.5°	23	23	23	23	23	23	23	23	23	23	23
75°	23	23	23	24	23	23	23	23	23	23	23
72.5°	24	24	24	24	24	24	24	24	24	24	24
70°	24	24	24	24	24	24	24	24	24	24	24
67.5°	26	26	26	26	26	26	26	26	26	25	25
65°	28	28	28	28	28	28	28	28	27	27	27
62.5°	30	30	30	30	30	30	30	30	29	29	29
60°	32	32	32	32	32	32	32	32	31	31	31
57.5°	42	42	43	43	43	42	42	41	39	38	36
55°	52	53	54	54	54	53	52	51	50	48	46
52.5°	63	64	65	65	65	64	63	62	60	58	56
50°	74	75	76	76	76	75	74	73	71	69	66
47.5°	78	78	78	78	78	78	78	78	77	77	76
45°	80	80	80	81	80	80	80	80	79	79	78
42.5°	82	83	83	83	83	83	82	82	81	81	80
40°	84	85	85	85	85	85	84	84	84	83	82
37.5°	87	87	87	88	87	87	87	86	86	85	84
35°	89	90	90	90	90	90	89	89	88	87	86
32.5°	95	96	97	97	97	96	95	93	91	90	89
30°	102	103	104	104	104	103	102	100	98	95	92
27.5°	112	115	116	117	116	115	112	109	104	101	98
25°	124	127	128	129	128	127	124	120	116	110	103
22.5°	141	147	151	152	151	147	141	133	126	120	113
20°	178	194	204	207	204	194	178	157	143	131	123
17.5°	271	323	355	366	355	323	271	205	176	148	133
15°	478	614	700	729	700	614	478	336	243	183	148
12.5°	802	980	1095	1134	1095	980	802	590	359	243	176
10°	1138	1350	1491	1540	1491	1350	1138	874	590	336	205
7.5°	1444	1624	1663	1671	1663	1624	1444	1138	802	478	271
5°	1624	1655	1568	1519	1568	1655	1624	1350	980	614	323
2.5°	1663	1568	1389	1323	1389	1568	1663	1491	1095	700	355
0°	1671	1519	1323	1300	1323	1519	1671	1540	1134	729	366
-2.5°	1663	1568	1389	1323	1389	1568	1663	1491	1095	700	355
-5°	1624	1655	1568	1519	1568	1655	1624	1350	980	614	323
-7.5°	1444	1624	1663	1671	1663	1624	1444	1138	802	478	271
-10°	1138	1350	1491	1540	1491	1350	1138	874	590	336	205
-12.5°	802	980	1095	1134	1095	980	802	590	359	243	176
-15°	478	614	700	729	700	614	478	336	243	183	148
-17.5°	271	323	355	366	355	323	271	205	176	148	133
-20°	178	194	204	207	204	194	178	157	143	131	123



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

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	141	147	151	152	151	147	141	133	126	120	113
-25°	124	127	128	129	128	127	124	120	116	110	103
-27.5°	112	115	116	117	116	115	112	109	104	101	98
-30°	102	103	104	104	104	103	102	100	98	95	92
-32.5°	95	96	97	97	97	96	95	93	91	90	89
-35°	89	90	90	90	90	90	89	89	88	87	86
-37.5°	87	87	87	88	87	87	87	86	86	85	84
-40°	84	85	85	85	85	85	84	84	84	83	82
-42.5°	82	83	83	83	83	83	82	82	81	81	80
-45°	80	80	80	81	80	80	80	80	79	79	78
-47.5°	78	78	78	78	78	78	78	78	77	77	76
-50°	74	75	76	76	76	75	74	73	71	69	66
-52.5°	63	64	65	65	65	64	63	62	60	58	56
-55°	52	53	54	54	54	53	52	51	50	48	46
-57.5°	42	42	43	43	43	42	42	41	39	38	36
-60°	32	32	32	32	32	32	32	32	31	31	31
-62.5°	30	30	30	30	30	30	30	30	29	29	29
-65°	28	28	28	28	28	28	28	28	27	27	27
-67.5°	26	26	26	26	26	26	26	26	26	25	25
-70°	24	24	24	24	24	24	24	24	24	24	24
-72.5°	24	24	24	24	24	24	24	24	24	24	24
-75°	23	23	23	24	23	23	23	23	23	23	23
-77.5°	23	23	23	23	23	23	23	23	23	23	23
-80°	23	23	23	23	23	23	23	23	23	23	23
-82.5°	23	23	23	23	23	23	23	23	23	23	23
-85°	23	23	23	23	23	23	23	23	23	23	23
-87.5°	23	23	23	23	23	23	23	23	23	23	23
-90°	23	23	23	23	23	23	23	23	23	23	23



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

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	23	23	23	23	23	23	23	23	23	23	23
87.5°	23	23	23	23	23	23	23	23	23	23	23
85°	23	23	23	23	23	23	23	23	23	23	23
82.5°	23	23	23	23	23	23	23	23	23	23	23
80°	23	23	23	23	23	23	23	23	23	23	23
77.5°	23	23	23	23	23	23	23	23	23	23	23
75°	23	23	23	23	23	23	23	23	23	23	23
72.5°	24	24	24	24	24	23	23	23	23	23	23
70°	24	24	24	24	24	24	24	24	24	23	23
67.5°	25	25	24	24	24	24	24	24	24	24	24
65°	27	26	26	26	25	25	24	24	24	24	24
62.5°	29	28	28	27	27	26	26	25	25	24	24
60°	30	30	30	29	29	28	27	27	26	25	25
57.5°	33	32	31	31	30	30	29	28	27	27	26
55°	44	41	38	35	32	31	30	30	29	28	27
52.5°	54	51	47	44	40	36	32	31	30	29	28
50°	63	60	57	53	49	44	40	35	32	31	30
47.5°	73	70	66	62	58	53	48	43	37	32	31
45°	77	77	75	71	66	61	56	50	44	38	32
42.5°	79	79	78	77	75	69	63	58	51	45	38
40°	81	81	80	79	77	76	71	65	58	51	44
37.5°	83	82	81	80	79	78	76	72	65	58	50
35°	85	84	83	82	81	79	78	76	71	63	56
32.5°	87	86	85	84	82	81	79	78	76	69	61
30°	89	88	87	85	84	82	81	79	77	75	66
27.5°	94	90	89	87	85	84	82	80	79	77	71
25°	99	95	91	89	87	85	83	81	80	78	75
22.5°	105	100	95	90	88	86	84	82	81	79	77
20°	114	105	99	94	89	87	85	83	81	79	77
17.5°	123	113	103	98	92	89	86	84	82	80	78
15°	131	120	110	101	95	90	87	85	83	81	79
12.5°	143	126	116	104	98	91	88	86	84	81	79
10°	157	133	120	109	100	93	89	86	84	82	80
7.5°	178	141	124	112	102	95	89	87	84	82	80
5°	194	147	127	115	103	96	90	87	85	83	80
2.5°	204	151	128	116	104	97	90	87	85	83	80
0°	207	152	129	117	104	97	90	88	85	83	81
-2.5°	204	151	128	116	104	97	90	87	85	83	80
-5°	194	147	127	115	103	96	90	87	85	83	80
-7.5°	178	141	124	112	102	95	89	87	84	82	80
-10°	157	133	120	109	100	93	89	86	84	82	80
-12.5°	143	126	116	104	98	91	88	86	84	81	79
-15°	131	120	110	101	95	90	87	85	83	81	79
-17.5°	123	113	103	98	92	89	86	84	82	80	78
-20°	114	105	99	94	89	87	85	83	81	79	77



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

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	105	100	95	90	88	86	84	82	81	79	77
-25°	99	95	91	89	87	85	83	81	80	78	75
-27.5°	94	90	89	87	85	84	82	80	79	77	71
-30°	89	88	87	85	84	82	81	79	77	75	66
-32.5°	87	86	85	84	82	81	79	78	76	69	61
-35°	85	84	83	82	81	79	78	76	71	63	56
-37.5°	83	82	81	80	79	78	76	72	65	58	50
-40°	81	81	80	79	77	76	71	65	58	51	44
-42.5°	79	79	78	77	75	69	63	58	51	45	38
-45°	77	77	75	71	66	61	56	50	44	38	32
-47.5°	73	70	66	62	58	53	48	43	37	32	31
-50°	63	60	57	53	49	44	40	35	32	31	30
-52.5°	54	51	47	44	40	36	32	31	30	29	28
-55°	44	41	38	35	32	31	30	30	29	28	27
-57.5°	33	32	31	31	30	30	29	28	27	27	26
-60°	30	30	30	29	29	28	27	27	26	25	25
-62.5°	29	28	28	27	27	26	26	25	25	24	24
-65°	27	26	26	26	25	25	24	24	24	24	24
-67.5°	25	25	24	24	24	24	24	24	24	24	24
-70°	24	24	24	24	24	24	24	24	24	23	23
-72.5°	24	24	24	24	24	23	23	23	23	23	23
-75°	23	23	23	23	23	23	23	23	23	23	23
-77.5°	23	23	23	23	23	23	23	23	23	23	23
-80°	23	23	23	23	23	23	23	23	23	23	23
-82.5°	23	23	23	23	23	23	23	23	23	23	23
-85°	23	23	23	23	23	23	23	23	23	23	23
-87.5°	23	23	23	23	23	23	23	23	23	23	23
-90°	23	23	23	23	23	23	23	23	23	23	23





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

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	23	23	23	23	23	23	23	23	23	23	23
87.5°	23	23	23	23	23	23	23	23	23	23	23
85°	23	23	23	23	23	23	23	23	23	23	23
82.5°	23	23	23	23	23	23	23	23	23	23	23
80°	23	23	23	23	23	23	23	23	23	23	23
77.5°	23	23	23	23	23	23	23	23	23	23	23
75°	23	23	23	23	23	23	23	23	23	23	23
72.5°	23	23	23	23	23	23	23	23	23	23	23
70°	23	23	23	23	23	23	23	23	23	23	23
67.5°	23	23	23	23	23	23	23	23	23	23	23
65°	24	24	23	23	23	23	23	23	23	23	23
62.5°	24	24	24	24	23	23	23	23	23	23	23
60°	24	24	24	24	24	23	23	23	23	23	23
57.5°	25	24	24	24	24	24	23	23	23	23	23
55°	26	25	24	24	24	24	24	23	23	23	23
52.5°	27	26	25	24	24	24	24	23	23	23	23
50°	29	28	26	25	24	24	24	24	23	23	23
47.5°	30	29	27	26	25	24	24	24	23	23	23
45°	31	30	28	27	26	25	24	24	24	23	23
42.5°	32	31	29	28	27	25	24	24	24	23	23
40°	37	32	30	29	27	26	25	24	24	24	23
37.5°	43	35	31	30	28	27	25	24	24	24	23
35°	48	40	32	30	29	27	26	24	24	24	23
32.5°	53	44	36	31	30	28	26	25	24	24	23
30°	58	49	40	32	30	29	27	25	24	24	24
27.5°	62	53	44	35	31	29	27	26	24	24	24
25°	66	57	47	38	31	30	28	26	24	24	24
22.5°	70	60	51	41	32	30	28	26	25	24	24
20°	73	63	54	44	33	30	29	27	25	24	24
17.5°	76	66	56	46	36	31	29	27	25	24	24
15°	77	69	58	48	38	31	29	27	25	24	24
12.5°	77	71	60	50	39	31	29	27	26	24	24
10°	78	73	62	51	41	32	30	28	26	24	24
7.5°	78	74	63	52	42	32	30	28	26	24	24
5°	78	75	64	53	42	32	30	28	26	24	24
2.5°	78	76	65	54	43	32	30	28	26	24	24
0°	78	76	65	54	43	32	30	28	26	24	24
-2.5°	78	76	65	54	43	32	30	28	26	24	24
-5°	78	75	64	53	42	32	30	28	26	24	24
-7.5°	78	74	63	52	42	32	30	28	26	24	24
-10°	78	73	62	51	41	32	30	28	26	24	24
-12.5°	77	71	60	50	39	31	29	27	26	24	24
-15°	77	69	58	48	38	31	29	27	25	24	24
-17.5°	76	66	56	46	36	31	29	27	25	24	24
-20°	73	63	54	44	33	30	29	27	25	24	24



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

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	70	60	51	41	32	30	28	26	25	24	24
-25°	66	57	47	38	31	30	28	26	24	24	24
-27.5°	62	53	44	35	31	29	27	26	24	24	24
-30°	58	49	40	32	30	29	27	25	24	24	24
-32.5°	53	44	36	31	30	28	26	25	24	24	23
-35°	48	40	32	30	29	27	26	24	24	24	23
-37.5°	43	35	31	30	28	27	25	24	24	24	23
-40°	37	32	30	29	27	26	25	24	24	24	23
-42.5°	32	31	29	28	27	25	24	24	24	23	23
-45°	31	30	28	27	26	25	24	24	24	23	23
-47.5°	30	29	27	26	25	24	24	24	23	23	23
-50°	29	28	26	25	24	24	24	24	23	23	23
-52.5°	27	26	25	24	24	24	24	23	23	23	23
-55°	26	25	24	24	24	24	24	23	23	23	23
-57.5°	25	24	24	24	24	24	23	23	23	23	23
-60°	24	24	24	24	24	23	23	23	23	23	23
-62.5°	24	24	24	24	23	23	23	23	23	23	23
-65°	24	24	23	23	23	23	23	23	23	23	23
-67.5°	23	23	23	23	23	23	23	23	23	23	23
-70°	23	23	23	23	23	23	23	23	23	23	23
-72.5°	23	23	23	23	23	23	23	23	23	23	23
-75°	23	23	23	23	23	23	23	23	23	23	23
-77.5°	23	23	23	23	23	23	23	23	23	23	23
-80°	23	23	23	23	23	23	23	23	23	23	23
-82.5°	23	23	23	23	23	23	23	23	23	23	23
-85°	23	23	23	23	23	23	23	23	23	23	23
-87.5°	23	23	23	23	23	23	23	23	23	23	23
-90°	23	23	23	23	23	23	23	23	23	23	23



REPORT NUMBER: (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 205-35MR11-12-NFL

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	23	23	23	23	23	23	23
87.5°	23	23	23	23	23	23	23
85°	23	23	23	23	23	23	23
82.5°	23	23	23	23	23	23	23
80°	23	23	23	23	23	23	23
77.5°	23	23	23	23	23	23	23
75°	23	23	23	23	23	23	23
72.5°	23	23	23	23	23	23	23
70°	23	23	23	23	23	23	23
67.5°	23	23	23	23	23	23	23
65°	23	23	23	23	23	23	23
62.5°	23	23	23	23	23	23	23
60°	23	23	23	23	23	23	23
57.5°	23	23	23	23	23	23	23
55°	23	23	23	23	23	23	23
52.5°	23	23	23	23	23	23	23
50°	23	23	23	23	23	23	23
47.5°	23	23	23	23	23	23	23
45°	23	23	23	23	23	23	23
42.5°	23	23	23	23	23	23	23
40°	23	23	23	23	23	23	23
37.5°	23	23	23	23	23	23	23
35°	23	23	23	23	23	23	23
32.5°	23	23	23	23	23	23	23
30°	23	23	23	23	23	23	23
27.5°	23	23	23	23	23	23	23
25°	23	23	23	23	23	23	23
22.5°	23	23	23	23	23	23	23
20°	23	23	23	23	23	23	23
17.5°	23	23	23	23	23	23	23
15°	23	23	23	23	23	23	23
12.5°	23	23	23	23	23	23	23
10°	23	23	23	23	23	23	23
7.5°	23	23	23	23	23	23	23
5°	23	23	23	23	23	23	23
2.5°	23	23	23	23	23	23	23
0°	24	23	23	23	23	23	23
-2.5°	23	23	23	23	23	23	23
-5°	23	23	23	23	23	23	23
-7.5°	23	23	23	23	23	23	23
-10°	23	23	23	23	23	23	23
-12.5°	23	23	23	23	23	23	23
-15°	23	23	23	23	23	23	23
-17.5°	23	23	23	23	23	23	23
-20°	23	23	23	23	23	23	23



REPORT NUMBER: (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 205-35MR11-12-NFL

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	23	23	23	23	23	23	23
-25°	23	23	23	23	23	23	23
-27.5°	23	23	23	23	23	23	23
-30°	23	23	23	23	23	23	23
-32.5°	23	23	23	23	23	23	23
-35°	23	23	23	23	23	23	23
-37.5°	23	23	23	23	23	23	23
-40°	23	23	23	23	23	23	23
-42.5°	23	23	23	23	23	23	23
-45°	23	23	23	23	23	23	23
-47.5°	23	23	23	23	23	23	23
-50°	23	23	23	23	23	23	23
-52.5°	23	23	23	23	23	23	23
-55°	23	23	23	23	23	23	23
-57.5°	23	23	23	23	23	23	23
-60°	23	23	23	23	23	23	23
-62.5°	23	23	23	23	23	23	23
-65°	23	23	23	23	23	23	23
-67.5°	23	23	23	23	23	23	23
-70°	23	23	23	23	23	23	23
-72.5°	23	23	23	23	23	23	23
-75°	23	23	23	23	23	23	23
-77.5°	23	23	23	23	23	23	23
-80°	23	23	23	23	23	23	23
-82.5°	23	23	23	23	23	23	23
-85°	23	23	23	23	23	23	23
-87.5°	23	23	23	23	23	23	23
-90°	23	23	23	23	23	23	23

(END OF REPORT)