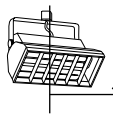
NTF-3218 NTF-3227 NTF-3239 NTF-3240

IESNA Lab: LM-63-1995

All units tested with clear louver. Tilt angle 45˚

Single Units



Distance from center of fixture (FC)

Mounting height from floor (FF)

FC / FF	0.0	1.0	2.0
9.0	30.2	24.3	12.5
8.0	41.7	33.4	18.9
7.0	31.0	26.7	17.4
6.0	18.1	16.1	12.0
5.0	11.6	10.7	8.55
4.0	7.38	6.97	5.86
3.0	4.74	4.54	4.03
2.0	3.16	3.06	2.76
1.0	2.19	2.13	1.93

Multiple Unit Array

3 unit array example

Distance from center of fixture (FC)

Mounting height from floor (FF)

FC / FF	0.0	1.0	2.0
9.0	62.5	60.0	60.0
8.0	92.4	88.5	88.5
7.0	77.3	78.0	78.0
6.0	52.6	53.0	53.0
5.0	37.7	38.4	38.4
4.0	26.6	27.2	27.2
3.0	18.6	19.2	19.2
2.0	13.3	13.6	13.6
1.0	9.66	9.90	9.90

SINGLE UNIT 3' FROM WALL	SINGLE UNIT 4' FROM WALL	3 UNIT ARRAY 3' ON CENTER 3' FROM WALL	3 UNIT ARRAY 3' ON CENTER 4' FROM WALL	4 UNIT ARRAY 4' ON CENTER 3' FROM WALL	4 UNIT ARRAY 4' ON CENTER 4' FROM WALL

NTF-3218

Test No. 100-1C

FC / FF	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
9.0	30.2	24.3	12.5	5.42	2.05	0.85	0.31	0.08	0.01
8.0	41.7	33.4	18.9	9.35	4.40	1.89	0.80	0.38	0.17
7.0	31.0	26.7	17.4	9.41	4.91	2.64	1.30	0.64	0.33
6.0	18.1	16.1	12.0	7.59	4.40	2.58	1.55	0.86	0.48
5.0	11.6	10.7	8.55	5.94	3.82	2.38	1.51	0.97	0.59
4.0	7.38	6.97	5.86	4.41	3.11	2.08	1.39	0.93	0.63
3.0	4.74	4.54	4.03	3.17	2.41	1.74	1.23	0.86	0.61
2.0	3.16	3.06	2.76	2.30	1.83	1.38	1.04	0.77	0.56
1.0	2.19	2.13	1.93	1.67	1.39	1.10	0.85	0.66	0.51

FC / FF	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
9.0	17.0	15.2	10.1	5.81	3.05	1.49	0.75	0.38	0.18
8.0	22.7	20.1	14.1	8.48	4.91	2.75	1.42	0.72	0.39
7.0	21.3	19.4	14.3	9.21	5.51	3.25	1.93	1.08	0.61
6.0	15.4	14.3	11.4	7.92	5.09	3.18	2.01	1.30	0.78
5.0	10.2	9.52	7.94	6.06	4.27	2.84	1.89	1.27	0.87
4.0	7.31	6.93	5.98	4.85	3.57	2.53	1.75	1.22	0.86
3.0	5.17	5.03	4.44	3.76	2.90	2.17	1.57	1.13	0.82
2.0	3.73	3.60	3.29	2.84	2.29	1.81	1.36	1.02	0.76
1.0	2.67	2.60	2.42	2.15	1.79	1.46	1.15	0.90	0.69

FC / FF	0.0	1.0	2.0
9.0	41.4	39.7	39.7
8.0	61.2	58.6	58.6
7.0	51.2	51.6	51.6
6.0	34.8	35.1	35.1
5.0	24.9	25.4	25.4
4.0	17.6	18.0	18.0
3.0	12.3	12.7	12.7
2.0	8.79	9.03	9.03
1.0	6.39	6.56	6.56

FC / FF	0.0	1.0	2.0
9.0	29.4	29.9	29.9
8.0	41.1	41.8	41.8
7.0	41.7	42.4	42.4
6.0	33.3	33.9	33.9
5.0	24.2	24.6	24.6
4.0	18.8	19.0	19.0
3.0	14.3	14.5	14.5
2.0	10.8	11.0	11.0
1.0	8.13	8.27	8.27

FC / FF	0.0	1.0	2.0	3.0
9.0	34.3	30.6	25.7	30.6
8.0	50.7	45.0	39.4	45.0
7.0	41.2	39.4	37.4	39.4
6.0	27.4	27.1	27.1	27.1
5.0	19.8	20.0	20.1	20.0
4.0	14.2	14.4	14.5	14.4
3.0	10.2	10.3	10.5	10.3
2.0	7.37	7.51	7.60	7.51
1.0	5.48	5.56	5.58	5.56

FC / FF	0.0	1.0	2.0	3.0
9.0	23.3	22.9	21.7	22.9
8.0	33.0	32.0	31.0	32.0
7.0	33.0	32.9	32.4	32.9
6.0	26.4	26.7	26.8	26.7
5.0	19.6	19.7	19.7	19.7
4.0	15.3	15.5	15.5	15.5
3.0	11.8	12.1	12.0	12.1
2.0	9.06	9.27	9.30	9.27
1.0	6.93	7.11	7.15	7.11

NTF-3227

Test No. 100-1C27

FC / FF	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
9.0	45.7	36.6	18.9	8.18	3.09	1.29	0.47	0.12	0.01
8.0	63.0	50.4	28.5	14.1	6.65	2.85	1.20	0.57	0.26
7.0	46.9	40.3	26.3	14.2	7.42	3.99	1.97	0.97	0.49
6.0	27.3	24.3	18.2	11.5	6.63	3.89	2.34	1.30	0.72
5.0	17.4	16.2	12.9	8.97	5.76	3.60	2.28	1.47	0.89
4.0	11.1	10.5	8.85	6.67	4.70	3.14	2.10	1.41	0.96
3.0	7.16	6.85	6.09	4.79	3.63	2.63	1.85	1.30	0.92
2.0	4.77	4.62	4.17	3.47	2.76	2.09	1.57	1.16	0.85
1.0	3.31	3.22	2.92	2.53	2.10	1.66	1.29	0.99	0.76

FC / FF	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
9.0	25.7	23.0	15.3	8.78	4.60	2.24	1.13	0.57	0.26
8.0	34.3	30.3	21.3	12.8	7.42	4.16	2.15	1.09	0.58
7.0	32.2	29.3	21.6	13.9	8.33	4.91	2.92	1.64	0.91
6.0	23.3	21.5	17.2	12.0	7.68	4.80	3.04	1.96	1.18
5.0	15.4	14.4	12.0	9.16	6.44	4.28	2.85	1.92	1.32
4.0	11.0	10.5	9.03	7.33	5.40	3.82	2.65	1.85	1.30
3.0	7.81	7.59	6.71	5.68	4.38	3.28	2.37	1.71	1.24
2.0	5.62	5.44	4.96	4.29	3.45	2.73	2.06	1.54	1.15
1.0	4.03	3.93	3.66	3.25	2.70	2.20	1.74	1.36	1.04

FC / FF	0.0	1.0	2.0
9.0	62.5	60.0	60.0
8.0	92.4	88.5	88.5
7.0	77.3	78.0	78.0
6.0	52.6	53.0	53.0
5.0	37.7	38.4	38.4
4.0	26.6	27.2	27.2
3.0	18.6	19.2	19.2
2.0	13.3	13.6	13.6
1.0	9.66	9.90	9.90

FC / FF	0.0	1.0	2.0
9.0	44.4	45.1	45.1
8.0	62.1	63.2	63.2
7.0	63.0	64.1	64.1
6.0	50.2	51.2	51.2
5.0	36.5	37.1	37.1
4.0	28.3	28.7	28.7
3.0	21.5	22.0	22.0
2.0	16.3	16.6	16.6
1.0	12.3	12.5	12.5

FC / FF	0.0	1.0	2.0	3.0
9.0	51.9	46.2	38.8	46.2
8.0	76.5	68.0	59.5	68.0
7.0	62.2	59.4	56.5	59.4
6.0	41.3	40.9	41.0	40.9
5.0	29.9	30.2	30.4	30.2
4.0	21.5	21.7	21.9	21.7
3.0	15.3	15.6	15.9	15.6
2.0	11.1	11.3	11.5	11.3
1.0	8.27	8.41	8.42	8.41

FC / FF	0.0	1.0	2.0	3.0
9.0	35.2	34.6	32.8	34.6
8.0	49.8	48.4	46.8	48.4
7.0	49.8	49.7	49.0	49.7
6.0	39.8	40.3	40.5	40.3
5.0	29.6	29.7	29.7	29.7
4.0	23.1	23.5	23.4	23.5
3.0	17.8	18.3	18.2	18.3
2.0	13.7	14.0	14.0	14.0
1.0	10.5	10.7	10.8	10.7

NTF-3239

Test No. 100-1F

FC / FF	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
9.0	76.3	60.8	31.8	13.5	4.99	2.08	0.77	0.20	0.02
8.0	104	83.1	47.8	23.5	11.1	4.77	2.05	0.98	0.45
7.0	76.8	66.2	43.1	23.4	12.3	6.68	3.35	1.69	0.88
6.0	44.5	39.7	29.2	18.5	10.9	6.47	3.92	2.22	1.26
5.0	28.5	26.6	21.1	14.7	9.46	5.96	3.79	2.46	1.50
4.0	18.3	17.3	14.5	11.0	7.76	5.19	3.48	2.35	1.60
3.0	11.8	11.2	9.99	7.89	6.02	4.35	3.07	2.16	1.53
2.0	7.84	7.57	6.84	5.72	4.57	3.48	2.60	1.93	1.41
1.0	5.44	5.27	4.79	4.17	3.48	2.77	2.15	1.66	1.27

FC / FF	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
9.0	42.9	38.1	25.7	14.7	7.62	3.65	1.82	0.92	0.43
8.0	57.3	49.9	35.7	21.7	12.4	6.93	3.57	1.82	0.98
7.0	53.0	48.0	35.5	23.1	13.8	8.16	4.89	2.76	1.56
6.0	38.0	35.5	28.1	19.5	12.6	7.95	5.06	3.28	2.00
5.0	25.1	23.4	19.5	14.7	10.4	7.00	4.72	3.20	2.21
4.0	18.0	17.1	14.8	11.9	8.79	6.25	4.37	3.06	2.16
3.0	12.8	12.5	11.0	9.28	7.19	5.39	3.90	2.83	2.05
2.0	9.26	8.94	8.18	7.03	5.68	4.53	3.40	2.54	1.90
1.0	6.62	6.44	6.00	5.34	4.44	3.64	2.89	2.25	1.73

FC / FF	0.0	1.0	2.0
9.0	104	99.7	99.7
8.0	153	147	147
7.0	127	128	128
6.0	85.4	86.3	86.3
5.0	61.6	63.1	63.1
4.0	43.7	44.8	44.8
3.0	30.6	31.6	31.6
2.0	21.9	22.5	22.5
1.0	15.9	16.3	16.3

FC / FF	0.0	1.0	2.0
9.0	74.1	75.0	75.0
8.0	104	105	105
7.0	104	106	106
6.0	82.1	84.1	84.1
5.0	59.2	60.3	60.3
4.0	46.1	47.0	47.0
3.0	35.3	36.1	36.1
2.0	26.7	27.3	27.3
1.0	20.2	20.5	20.5

FC / FF	0.0	1.0	2.0	3.0
9.0	86.3	76.6	65.2	76.6
8.0	126	112	99.8	112
7.0	102	98.0	93.0	98.0
6.0	67.6	66.9	66.2	66.9
5.0	48.9	49.7	49.7	49.7
4.0	35.4	35.8	36.0	35.8
3.0	25.3	25.6	26.1	25.6
2.0	18.4	18.7	18.9	18.7
1.0	13.7	13.9	13.9	13.9

FC / FF	0.0	1.0	2.0	3.0
9.0	58.6	57.3	55.0	57.3
8.0	83.1	80.3	78.6	80.3
7.0	82.1	82.0	80.8	82.0
6.0	65.2	66.2	66.3	66.2
5.0	48.0	48.3	48.4	48.3
4.0	37.7	38.4	38.3	38.4
3.0	29.2	30.0	29.9	30.0
2.0	22.5	23.0	23.2	23.0
1.0	17.2	17.7	17.8	17.7

NTF-3240

Test No. 100-1F40

FC / FF	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
9.0	88.1	70.2	36.8	15.6	5.77	2.40	0.88	0.23	0.02
8.0	120	95.9	55.2	27.2	12.8	5.52	2.37	1.13	0.52
7.0	88.7	76.5	49.8	27.0	14.2	7.72	3.86	1.95	1.02
6.0	51.4	45.9	33.7	21.3	12.6	7.47	4.53	2.57	1.46
5.0	32.9	30.7	24.3	16.9	10.9	6.88	4.38	2.84	1.74
4.0	21.2	20.0	16.7	12.7	8.95	5.99	4.01	2.71	1.85
3.0	13.6	13.0	11.5	9.11	6.95	5.02	3.54	2.49	1.77
2.0	9.05	8.74	7.89	6.61	5.27	4.02	3.01	2.23	1.63
1.0	6.28	6.09	5.53	4.81	4.02	3.19	2.49	1.92	1.47

FC / FF	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
9.0	49.5	43.9	29.6	17.0	8.80	4.22	2.11	1.07	0.50
8.0	66.1	57.6	41.2	25.0	14.3	8.01	4.13	2.10	1.14
7.0	61.1	55.5	41.0	26.6	15.9	9.43	5.65	3.18	1.80
6.0	43.8	41.0	32.4	22.6	14.6	9.18	5.84	3.79	2.31
5.0	28.9	27.0	22.5	17.0	12.0	8.09	5.45	3.70	2.55
4.0	20.7	19.8	17.1	13.7	10.1	7.22	5.04	3.53	2.50
3.0	14.8	14.4	12.7	10.7	8.30	6.22	4.51	3.26	2.37
2.0	10.7	10.3	9.44	8.12	6.56	5.23	3.93	2.94	2.19
1.0	7.64	7.44	6.93	6.17	5.13	4.20	3.33	2.59	1.99

FC / FF	0.0	1.0	2.0
9.0	120	115	115
8.0	176	170	170
7.0	147	148	148
6.0	98.6	99.6	99.6
5.0	71.1	72.8	72.8
4.0	50.5	51.7	51.7
3.0	35.4	36.5	36.5
2.0	25.3	25.9	25.9
1.0	18.4	18.8	18.8

FC / FF	0.0	1.0	2.0
9.0	85.6	86.6	86.6
8.0	120	121	121
7.0	120	122	122
6.0	94.8	97.1	97.1
5.0	68.4	69.6	69.6
4.0	53.3	54.2	54.2
3.0	40.7	41.7	41.7
2.0	30.9	31.5	31.5
1.0	23.3	23.7	23.7

FC / FF	0.0	1.0	2.0	3.0
9.0	99.6	88.5	75.3	88.5
8.0	146	130	115	130
7.0	118	113	107	113
6.0	78.1	77.2	76.5	77.2
5.0	56.5	57.4	57.4	57.4
4.0	40.9	41.4	41.5	41.4
3.0	29.3	29.6	30.1	29.6
2.0	21.2	21.6	21.8	21.6
1.0	15.8	16.0	16.0	16.0

FC / FF	0.0	1.0	2.0	3.0
9.0	58.6	57.3	55.0	57.3
8.0	83.1	80.3	78.6	80.3
7.0	82.1	82.0	80.8	82.0
6.0	65.2	66.2	66.3	66.2
5.0	48.0	48.3	48.4	48.3
4.0	37.7	38.4	38.3	38.4
3.0	29.2	30.0	29.9	30.0
2.0	22.5	23.0	23.2	23.0
1.0	17.2	17.7	17.8	17.7

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