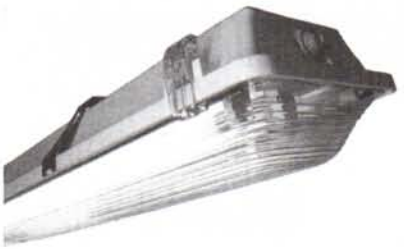
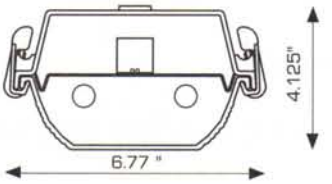


MONSOON™
SERIES

MON2™
WET LOCATION T5/HO LUMINAIRE

NSF
IP67



FEATURES:

A small profile enclosed and gasketed wet location T5 HO fluorescent commercial/industrial luminaire designed for maximum performance with minimum energy use. With a near tool-less design the MONSOON™ is ready to install right out of the box - even the lamps come pre-installed. Multi-volt ballasts take the guesswork out of what to stock. Rated at 93 L/W (54 watt lamp), this product offers outstanding savings on installation and maintenance labor costs.
UL/CUL listed. NSF certified. IP67 wet location rated.

HOUSING:

One-piece compression-molded unsaturated polyester/fiberglass housing with (8) three-piece polycarbonate latches. Seamless continuously bonded poured-in-place neoprene gasketing. Ballast/component tray attaches to fixture body with pinch-release clips. 1/2" conduit entry hole in each end of housing with weathertight plug.

ELECTRICAL:

Ballasts are CBM certified HPF electronic programmed start, 0.99 power factor, <10% THD, UL/CSA listed, Type 1, Class P, 105V-305V, 50/60Hz. Lampholders are positive-lock, captive rotor type, UL listed. Lamps are 85 CRI with 0.95 lumen maintenance over life.

OPTICS:

High reflectance component tray reflector. Impact-modified UV stabilized linear ribbed lens with smooth exterior face for ease of cleaning. Nominal 10% uplight component. Note: 2'-0" and 8'-0" length models available with DIRA acrylic lens only. DIRA acrylic lens option available for 4'-0" model for caustic/chlorine environments.

MOUNTING:

Fixture provided with pair of Quick-clip™ snap-on full-hard stainless steel mounting clips that will accept #12 S-hook & chain or 1/4" threaded rod, as well as allow surface mounting without violating watertight integrity. Clips install and positively lock without tools and have a withstand rating in excess of 10X the luminaire weight.

FIXTURE WEIGHT:

MON2: 7 lbs. 0 oz.

SHIPPING:

Shipped assembled & pre-lamped if so ordered with mounting clips included.

WARRANTY: The Light Edge, Inc. warrants the Monsoon™ to be free from defects in material and workmanship for one year from date of purchase, exclusive of lamps, ballasts, and optional electrical devices.

ORDERING NUMBER:

MON2	- 4 -	54	- 35 -	MV	- XX
MODEL	LENGTH	WATTS	COLOR TEMP.	BALLAST	OPTION

MODEL
MON2 = MONSOON™ 2 LAMP PROFILE

LENGTH
2 = 2 FEET NOMINAL (2 LAMPS TOTAL)
4 = 4 FEET NOMINAL (2 LAMPS TOTAL)
8 = 8 FEET NOMINAL (4 LAMPS TOTAL)

LAMP WATTAGE
24 = 2' (NOM) 24W HIGH OUTPUT (2,000 LUMENS)
54 = 4' (NOM) 54W HIGH OUTPUT (5,000 LUMENS)
28 = 4' (NOM) 28W STD OUTPUT (2,900 LUMENS)

LAMP COLOR TEMPERATURE
30 = 3,000 K
35 = 3,500 K
41 = 4,100 K
50 = 5,000 K
65 = 6,500 K
XX = NO LAMPS

BALLAST
MV = MULTI-VOLTAGE (105V THROUGH 305V, 50/60 Hz)
D3 = DEDICATED 347V
(Consult 'Options' tab for other ballast choices)

OPTIONS:
XX = NO OPTIONS

LENSING
ET = ETCHED "SOFT WHITE" LENS
LM2-4A = DIRA ACRYLIC LENS (4'-0" Model only)

CORD and PLUG
CS = 6'0" BLACK 16/3 CORDSET WITH STRAIN RELIEF
CP* = CORD PLUG (Code per plug chart: see 'Options' tab)

LATCHING
HS2 = STAINLESS STEEL LATCH KIT, 2' MODEL (Set of 4 each)
HS4 = STAINLESS STEEL LATCH KIT, 4' MODEL (Set of 8 each)
HS8 = STAINLESS STEEL LATCH KIT, 8' MODEL (Set of 14 each)
(Recommended for caustic/chlorine environments)

The Light Edge, Inc.
www.thelightedge.com - Oregon, USA - 503-968-9968

LIGHT EDGE™ MONSOON™

PHOTOMETRIC TEST REPORT

PHOTOMETRY

IES FILES AVAILABLE

MON2™

REPORT NUMBER: ITL52090
CATALOG NO.: MON2-4-54-35-MV-XX
TOTAL INPUT WATTS: 107.4
FIXTURE EFFICIENCY: 77.3% (4,400 LUMENS PER LAMP)

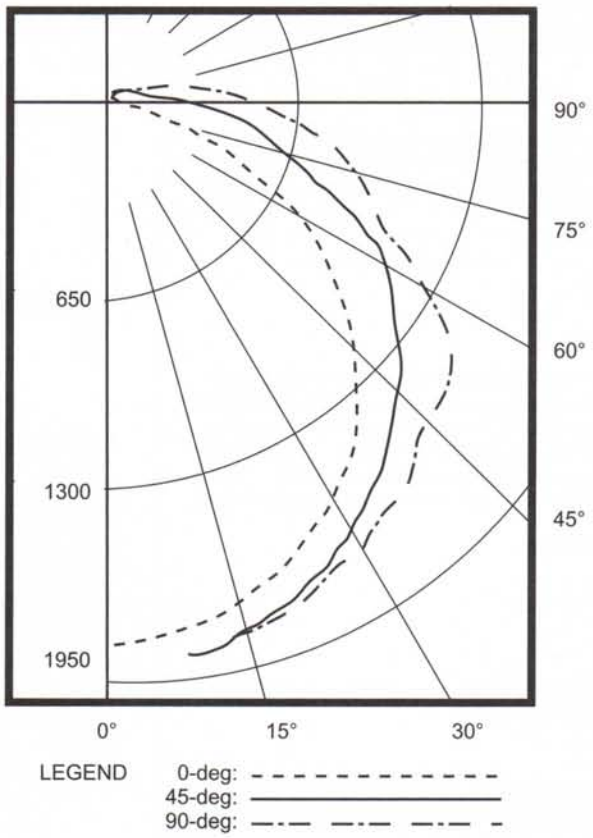
CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1818	1818	1818	1818	1818
5	1811	1822	1850	1852	1861
15	1745	1812	1839	1843	1848
25	1625	1711	1743	1766	1768
35	1448	1531	1585	1651	1673
45	1211	1287	1402	1507	1538
55	911	1015	1182	1386	1441
65	569	698	946	1055	1090
75	226	423	628	823	877
85	29	192	412	579	625
90	12	109	293	443	502
95	11	55	214	335	395
105	6	9	79	128	144
115	0	0	22	56	68
125	0	0	2	15	25
135	0	0	0	1	6
145	0	0	0	0	0
155	0	0	0	0	0
165	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	81	81	81	81	79	79	79	79	75	75	75	71	71	71	67	67	67	66
1	73	69	65	62	70	67	64	61	63	61	58	60	58	56	57	55	53	52
2	65	59	54	49	63	57	53	48	54	50	47	51	48	45	49	46	44	42
3	59	51	45	40	57	50	44	40	47	42	38	45	41	37	43	39	36	34
4	54	45	39	34	52	44	38	33	42	36	32	40	35	32	38	34	31	29
5	50	40	34	29	48	39	33	28	37	32	28	35	31	27	34	30	26	25
6	46	36	29	25	44	35	29	25	33	28	24	32	27	24	31	26	23	21
7	42	32	26	22	41	32	26	22	30	25	21	29	24	21	28	24	20	19
8	39	30	23	19	38	29	23	19	28	22	19	27	22	18	25	21	18	17
9	37	27	21	17	35	26	21	17	25	20	17	24	20	17	23	19	16	15
10	34	25	19	16	33	24	19	15	23	19	15	23	18	15	22	18	15	13

PHOTOMETRIC DISTRIBUTION CURVE



LUMINANCE DATA (CD/SQ. M)

	0-DEG	45-DEG	90-DEG
45	7605	7508	7885
55	6955	7259	8355
65	5762	7060	7535
75	3558	6213	7799
85	1100	6329	8136

ZONAL LUMEN SUMMARY

@ 5,000 LUMENS PER LAMP

ZONE	LUM.	%LAMP	%FIXT
0 - 30	1490	14.9	21.6
0 - 40	2484	24.8	36.0
0 - 60	4623	46.2	67.0
0 - 90	6556	65.6	95.1
90 - 120	331	3.3	4.8
90 - 130	339	3.4	4.9
90 - 150	339	3.4	4.9
90 - 180	339	3.4	4.9
0 - 180	6896	69.0	100.0

The Light Edge, Inc.
www.thelightedge.com - Oregon, USA - 503-968-9968