

REPORT NUMBER: ITL82331

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ISSUE DATE: 07/30/14

PREPARED FOR: RAB LIGHTING, INC.

CATALOG NUMBER: TRLED2X4-37YN/D10

LUMINAIRE: FABRICATED METAL HOUSING WITH WHITE PAINTED INTERIOR FINISH,
FORMED WHITE PAINTED METAL DRIVER COVER, 4 WHITE CIRCUIT BOARDS EACH
WITH 32 LEDS, CLEAR FLAT PRISMATIC PLASTIC LENS IN FABRICATED WHITE
PAINTED METAL FRAME. LENS PRISMS OUT.

LAMPS: ONE HUNDRED TWENTY-EIGHT WHITE LIGHT EMITTING DIODES (LEDs),
VERTICAL BASE-UP POSITION.

TOTAL INPUT WATTS = 37.4 AT 120.0 VOLTS

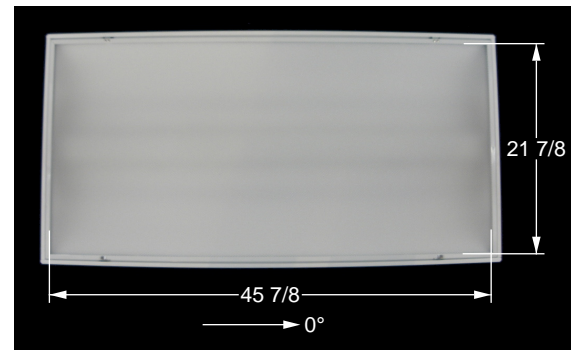
MOUNTING: RECESSED

LED DRIVER: RAB LIGHTING RDD-037W-350G,
DRIVER HAS MULTIPLE LEADS, ONLY LINE
INPUT AND LED OUTPUT LEADS CONNECTED
FOR THIS TEST.

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE
PROVIDED AT RATED INPUT VOLTAGE
(120VAC, 60Hz) TO THE DRIVER.
DRIVER INFORMATION PROVIDED BY
CLIENT.

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 35.0 FEET



CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	1511	1511	1511	1511	1511	
5	1504	1506	1504	1502	1502	143
15	1430	1433	1431	1429	1430	403
25	1278	1283	1281	1281	1280	589
35	1061	1068	1066	1063	1061	664
45	805	809	806	800	799	620
55	549	551	545	535	534	487
65	339	336	328	325	329	331
75	197	193	189	192	197	204
85	73	69	73	75	77	77
90	0	0	0	0	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1135	32.2
0- 40	1799	51.1
0- 60	2906	82.6
0- 90	3519	100.0
90-180	0	0.0
0-180	3519	100.0

EFFICACY = 94.1 lm/W

CIE TYPE - DIRECT

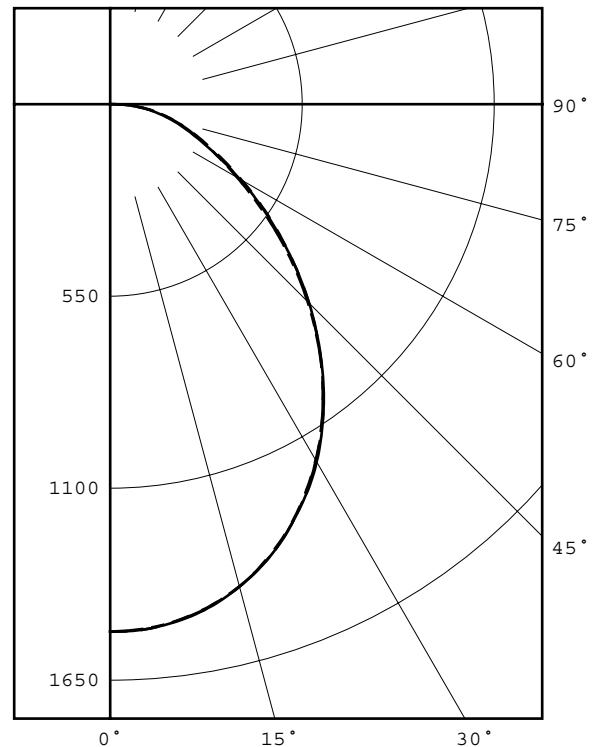
PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.17 1.17

LUMINOUS LENGTH : 45.875 21.875

LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	1758.	1761.	1745.
55	1478.	1468.	1438.
65	1239.	1199.	1202.
75	1176.	1128.	1176.
85	1294.	1294.	1365.



LEGEND:

0-deg - - - - -
45-deg - - - - -
90-deg - - - - -

Checked B. HYRE
Approved R. BEATTIE
Lighting Engineer



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CANDELA DISTRIBUTION
LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
0.0	1511	1511	1511	1511	1511
2.5	1510	1511	1510	1508	1508
5.0	1504	1506	1504	1502	1502
7.5	1492	1495	1493	1490	1491
10.0	1475	1479	1478	1475	1476
12.5	1455	1459	1457	1455	1455
15.0	1430	1433	1431	1429	1430
17.5	1399	1403	1401	1400	1400
20.0	1363	1368	1366	1365	1366
22.5	1323	1327	1325	1324	1326
25.0	1278	1283	1281	1281	1280
27.5	1229	1234	1235	1232	1232
30.0	1177	1181	1183	1179	1178
32.5	1122	1127	1126	1123	1122
35.0	1061	1068	1066	1063	1061
37.5	999	1005	1003	1000	1000
40.0	936	940	938	935	934
42.5	870	875	872	867	867
45.0	805	809	806	800	799
47.5	739	742	739	732	731
50.0	673	677	672	665	663
52.5	610	614	607	599	598
55.0	549	551	545	535	534
57.5	491	491	486	474	475
60.0	435	435	428	419	420
62.5	385	383	376	369	372
65.0	339	336	328	325	329
67.5	298	295	287	287	292
70.0	263	257	250	253	258
72.5	229	224	219	222	227
75.0	197	193	189	192	197
77.5	166	162	160	164	168
80.0	136	132	132	135	140
82.5	106	101	104	105	110
85.0	73	69	73	75	77
87.5	36	36	39	41	41
90.0	0	0	0	0	0



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	36
5- 10	107
10- 15	173
15- 20	231
20- 25	278
25- 30	311
30- 35	331
35- 40	334
40- 45	322
45- 50	298
50- 55	263
55- 60	224
60- 65	184
65- 70	148
70- 75	117
75- 80	87
80- 85	57
85- 90	21

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	143
0- 20	546
0- 30	1135
0- 40	1799
0- 50	2419
0- 60	2906
0- 70	3237
0- 80	3442
0- 90	3519



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	66	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	36	46	40	35	45	39	35	33
9	59	46	38	32	57	45	38	32	44	37	32	43	37	32	42	36	32	30
10	55	42	35	30	54	42	35	30	41	34	29	40	34	29	39	33	29	27

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS TEST SAMPLE.



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