

REPORT NUMBER: ITL82332

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ISSUE DATE: 07/30/14

PREPARED FOR: RAB LIGHTING, INC.

CATALOG NUMBER: TRLED2X4-37N/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 = 37.9 AT 120.0 VOLTS

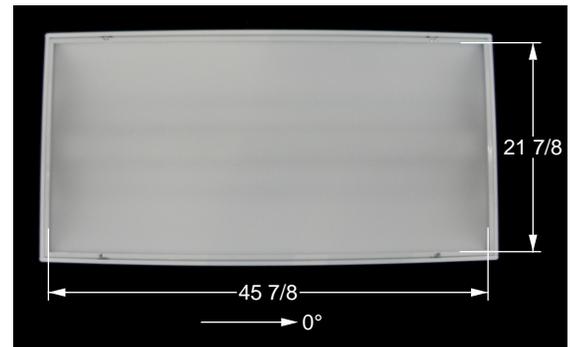
MOUNTING: RECESSED

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	1487	1487	1487	1487	1487	
5	1478	1481	1479	1478	1478	140
15	1405	1409	1406	1405	1406	396
25	1255	1260	1257	1258	1258	578
35	1039	1043	1042	1039	1038	650
45	786	788	783	779	777	604
55	538	538	533	525	524	477
65	335	332	326	322	326	328
75	194	191	188	191	195	203
85	69	66	70	71	75	74
90	0	0	0	0	0	

FLUX

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1114	32.3
0- 40	1764	51.1
0- 60	2846	82.5
0- 90	3451	100.0
90-180	0	0.0
0-180	3451	100.0

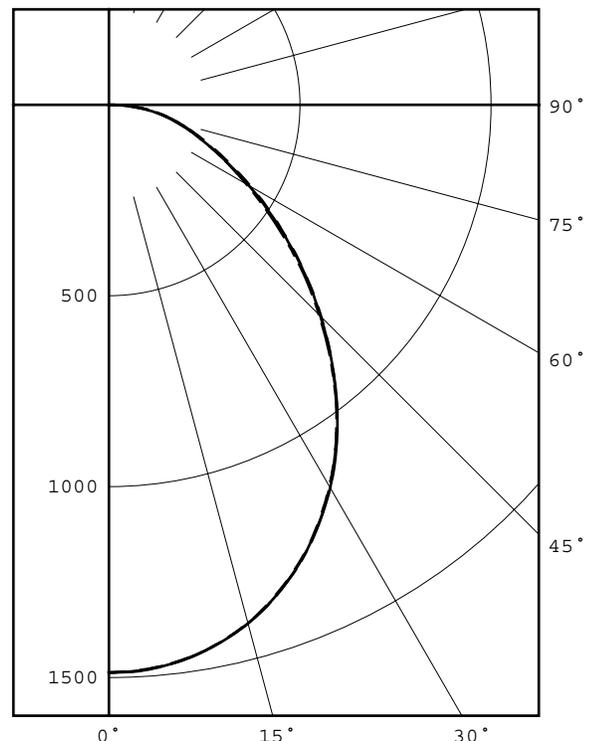
EFFICACY = 91.1 lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG
SPACING CRITERIA : 1.16 1.16
LUMINOUS LENGTH : 45.875 21.875

LUMINANCE DATA IN CANDELA/SQ M

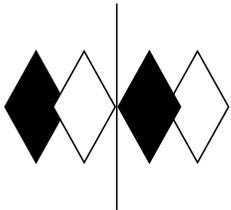
ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	1717.	1710.	1697.
55	1449.	1435.	1411.
65	1224.	1191.	1191.
75	1158.	1122.	1164.
85	1223.	1241.	1329.



LEGEND:

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

Checked B. HYRE
Approved R. BEATTIE
Lighting Engineer



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 THE LIGHT CENTER OF THE INDUSTRY SINCE 1955



INDEPENDENT TESTING LABORATORIES, INC.
 4066 CAMELOT CIRCLE, LONGMONT, CO 80504 USA

PHONE: (303) 442-1255 • FAX: (970) 535-3114 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

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CANDELA DISTRIBUTION
 LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
0.0	1487	1487	1487	1487	1487
2.5	1484	1487	1486	1484	1485
5.0	1478	1481	1479	1478	1478
7.5	1467	1470	1468	1467	1467
10.0	1451	1454	1452	1451	1451
12.5	1430	1434	1431	1430	1431
15.0	1405	1409	1406	1405	1406
17.5	1374	1379	1376	1376	1376
20.0	1338	1343	1340	1341	1341
22.5	1299	1304	1301	1301	1302
25.0	1255	1260	1257	1258	1258
27.5	1206	1212	1209	1208	1209
30.0	1154	1159	1158	1156	1155
32.5	1098	1103	1102	1100	1099
35.0	1039	1043	1042	1039	1038
37.5	978	982	980	977	976
40.0	914	918	914	912	910
42.5	850	853	849	846	844
45.0	786	788	783	779	777
47.5	722	724	720	714	714
50.0	659	660	656	648	649
52.5	597	598	593	586	585
55.0	538	538	533	525	524
57.5	483	482	477	468	468
60.0	429	427	423	413	415
62.5	380	378	372	365	368
65.0	335	332	326	322	326
67.5	295	292	286	286	289
70.0	259	256	250	252	255
72.5	225	222	218	221	224
75.0	194	191	188	191	195
77.5	165	161	160	162	166
80.0	134	130	131	133	137
82.5	104	99	102	103	108
85.0	69	66	70	71	75
87.5	33	32	35	36	37
90.0	0	0	0	0	0



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	35
5- 10	105
10- 15	170
15- 20	226
20- 25	273
25- 30	306
30- 35	324
35- 40	326
40- 45	314
45- 50	290
50- 55	257
55- 60	220
60- 65	181
65- 70	147
70- 75	116
75- 80	87
80- 85	55
85- 90	19

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	140
0- 20	536
0- 30	1114
0- 40	1764
0- 50	2368
0- 60	2846
0- 70	3174
0- 80	3376
0- 90	3451



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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	119	116	116	116	116	111	111	111	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	91	89	87	85	85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	81	77	74	72	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	72	67	64	62	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	55	65	60	55	53	53
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	59	53	49	47	47
6	72	59	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	54	48	43	41	41
7	67	54	46	40	66	53	45	40	52	45	39	50	44	39	49	43	39	49	43	39	37	37
8	63	50	41	36	61	49	41	36	48	41	36	46	40	35	45	39	35	45	39	35	33	33
9	59	46	38	32	57	45	38	32	44	37	32	43	37	32	42	36	32	42	36	32	30	30
10	55	42	35	30	54	42	35	30	41	34	29	40	34	29	39	33	29	39	33	29	27	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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ADDRESS: 170 LUDLOW AVE
NORTHVALE, NJ 07647

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