

REPORT NUMBER: ITL82324

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ISSUE DATE: 07/28/14

PREPARED FOR: RAB LIGHTING, INC.

CATALOG NUMBER: TRLED2X2-37Y/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 = 38.6 AT 120.0 VOLTS

MOUNTING: RECESSED

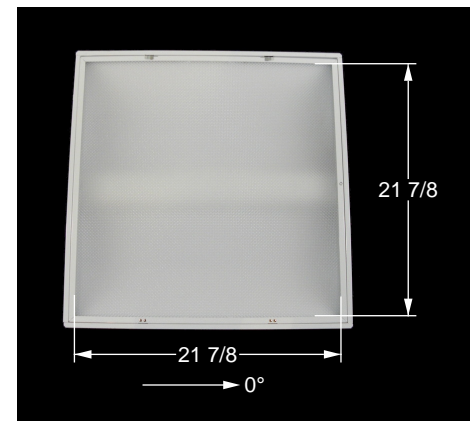
LED DRIVER: RAB LIGHTING RDD-037W-350G, DRIVER HAS MULTIPLE LEADS, ONLY LINE INPUT AND LED OUTPUT LEADS CONNECTED FOR THIS TEST.

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 = 20.0 FEET



CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	1469	1469	1469	1469	1469	
5	1461	1462	1463	1463	1462	139
15	1382	1385	1391	1394	1397	391
25	1224	1229	1241	1248	1254	569
35	995	1002	1013	1021	1025	631
45	723	728	733	737	736	564
55	468	467	464	457	455	416
65	275	268	261	263	269	268
75	161	155	153	155	164	165
85	57	53	54	55	59	59
90	0	0	0	0	0	

FLUX

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1099	34.3
0- 40	1730	54.0
0- 60	2710	84.7
0- 90	3201	100.0
90-180	0	0.0
0-180	3201	100.0

EFFICACY = 82.9 lm/W

CIE TYPE - DIRECT

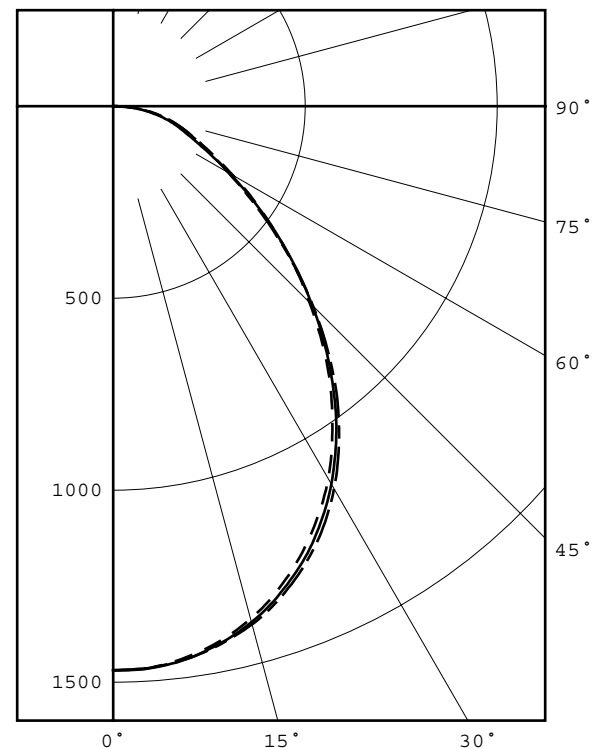
PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.15 1.17

LUMINOUS LENGTH : 21.875 21.875

LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	3312.	3358.	3372.
55	2643.	2620.	2570.
65	2108.	2000.	2062.
75	2015.	1915.	2053.
85	2118.	2007.	2193.



LEGEND:

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

Checked B. HYRE
Approved R. BEATTIE
Lighting Engineer



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	1469	1469	1469	1469	1469
2.5	1468	1469	1469	1468	1467
5.0	1461	1462	1463	1463	1462
7.5	1448	1450	1453	1452	1452
10.0	1431	1434	1436	1437	1438
12.5	1409	1411	1416	1417	1419
15.0	1382	1385	1391	1394	1397
17.5	1350	1353	1361	1364	1369
20.0	1312	1317	1325	1331	1335
22.5	1270	1276	1286	1291	1297
25.0	1224	1229	1241	1248	1254
27.5	1174	1178	1191	1198	1205
30.0	1120	1124	1136	1145	1150
32.5	1059	1065	1076	1085	1090
35.0	995	1002	1013	1021	1025
37.5	931	935	945	954	958
40.0	863	866	875	880	885
42.5	793	797	804	809	811
45.0	723	728	733	737	736
47.5	658	659	663	663	661
50.0	591	591	594	591	588
52.5	527	528	528	521	519
55.0	468	467	464	457	455
57.5	413	409	405	398	398
60.0	359	356	351	346	347
62.5	314	309	302	301	305
65.0	275	268	261	263	269
67.5	241	235	227	232	238
70.0	212	206	199	205	212
72.5	186	180	176	180	188
75.0	161	155	153	155	164
77.5	136	130	129	131	139
80.0	109	105	104	107	113
82.5	84	79	79	81	87
85.0	57	53	54	55	59
87.5	27	25	25	26	25
90.0	0	0	0	0	0



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	35
5- 10	104
10- 15	168
15- 20	224
20- 25	269
25- 30	300
30- 35	316
35- 40	315
40- 45	297
45- 50	267
50- 55	228
55- 60	187
60- 65	149
65- 70	119
70- 75	94
75- 80	70
80- 85	44
85- 90	15

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	139
0- 20	530
0- 30	1099
0- 40	1730
0- 50	2294
0- 60	2710
0- 70	2978
0- 80	3143
0- 90	3201



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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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	93	83	75	69	90	81	74	69	78	72	68	76	71	66	73	69	65	63
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	73	61	52	46	72	60	52	46	58	51	46	57	50	45	55	49	45	43
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39
8	64	51	43	37	62	50	43	37	49	42	37	48	42	37	47	41	37	35
9	60	47	39	34	58	46	39	34	45	39	34	44	38	34	43	38	33	32
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	31	29

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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