

REPORT NUMBER: PRORATED FROM RAB02057

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ISSUE DATE: 06/16/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RDLED2AR8-30YNHC-TW

LUMINAIRE: FABRICATED METAL UPPER HOUSING AND BALLAST HOUSING, CAST BLACK PAINTED FINNED METAL HEAT SINK, CAST WHITE PAINTED METAL GIMBAL, 1 WHITE CIRCUIT BOARD WITH ONE LED, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, HOLOGRAPHIC FLAT PLASTIC LENS, CAST WHITE METAL LOWER HOUSING.

LAMP: ONE WHITE MULTI-CHIP LIGHT EMITTING DIODE (LED) WITH CLEAR HEMISPHERICAL INTEGRAL LENS, VERTICAL BASE-UP POSITION.

\*(SEE PAGE 2 FOR MORE INFORMATION)\*

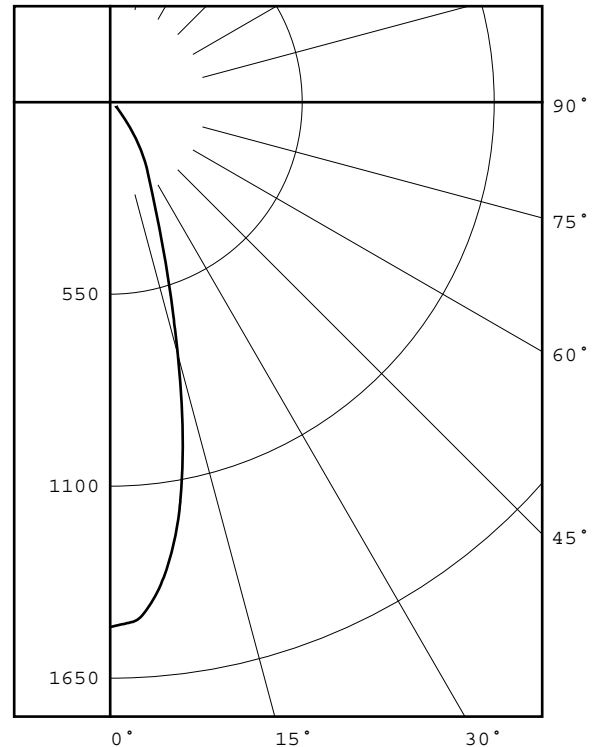
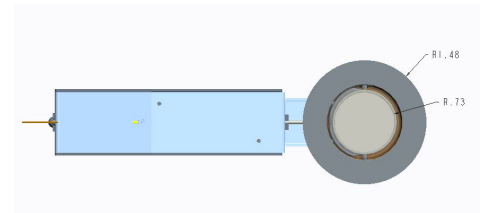
DEG	CANDELA	LUMENS
0	1504	
5	1428	128
15	748	208
25	283	134
35	130	81
45	41	34
55	21	19
65	13	13
75	7	7
85	2	3
90	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	470	75.0
0- 40	551	88.0
0- 60	604	96.4
0- 90	626	100.0
90-180	0	0.0
0-180	626	100.0

TOTAL INPUT WATTS = 8.3131  
 EFFICACY = 75.3 Lm/W  
 CIE TYPE - DIRECT  
 LUMINAIRE SPACING CRITERION = 0.5  
 LUMINOUS DIAMETER: 0.950

LUMINANCE DATA IN CANDELA/SQ METER  
 ANGLE AVERAGE  
 IN DEG

45	127861.
55	78813.
65	65368.
75	58220.
85	57631.



Checked X.CAO  
 Approved D.WANG-MUNSON

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## ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02057 WHICH WAS  
RDLED2AR8-30YYHC-TW. ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS: 8.3131 W AT 120.0 VOLTS

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE: 28.25 FEET

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LED DRIVER: RD-008-E1-A0200

NOTE: THIS REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY  
THE CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR  
ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL  
GOVERNMENT.

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BEAM ANGLE (50%) : 29.9 DEGREES  
FIELD ANGLE (10%): 67.1 DEGREES

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### CANDELA DISTRIBUTION

	0.0
0.0	1504
2.5	1490
5.0	1428
7.5	1317
10.0	1158
12.5	959
15.0	748
17.5	573
20.0	442
22.5	348
25.0	283
27.5	237
30.0	201
32.5	165
35.0	130
37.5	97
40.0	70
42.5	53
45.0	41
47.5	33
50.0	29
52.5	24
55.0	21
57.5	18
60.0	16
62.5	15
65.0	13
67.5	11
70.0	9
72.5	8
75.0	7
77.5	6
80.0	5
82.5	3
85.0	2
87.5	1
90.0	0

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## ZONAL LUMEN SUMMARY

0- 5	35.
5- 10	93.
10- 15	112.
15- 20	95.
20- 25	74.
25- 30	60.
30- 35	49.
35- 40	33.
40- 45	20.
45- 50	14.
50- 55	11.
55- 60	8.
60- 65	7.
65- 70	6.
70- 75	4.
75- 80	3.
80- 85	2.
85- 90	1.

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	35
5- 10	93
10- 15	112
15- 20	95
20- 25	74
25- 30	60
30- 35	49
35- 40	33
40- 45	20
45- 50	14
50- 55	11
55- 60	8
60- 65	7
65- 70	6
70- 75	4
75- 80	3
80- 85	2
85- 90	1

### 10-DEGREE ZONAL LUMEN SUMMARY

0- 10	128
0- 20	335
0- 30	470
0- 40	551
0- 50	585
0- 60	604
0- 70	617
0- 80	624
0- 90	626

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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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	72
6	90	81	76	72	88	81	75	71	79	74	71	78	74	71	76	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	59
10	76	67	62	59	75	67	62	59	66	62	58	66	61	58	65	61	58	57

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 LUMINAIRE SAMPLE.

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CONE OF LIGHT DIAGRAM

(diameter shown is where fc value is half the fc at nadir)

