

REPORT NUMBER: PRORATED FROM RAB02055

PAGE: 1 OF 8

ISSUE DATE: 06/15/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RDLED2AR8-20N-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	3320	
5	2839	233
15	892	259
25	339	160
35	143	91
45	34	29
55	14	13
65	7	8
75	4	5
85	1	2
90	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	652	81.6
0- 40	743	92.9
0- 60	785	98.2
0- 90	799	100.0
90-180	0	0.0
0-180	799	100.0

TOTAL INPUT WATTS = 8.143

EFFICACY = 98.1 Lm/W

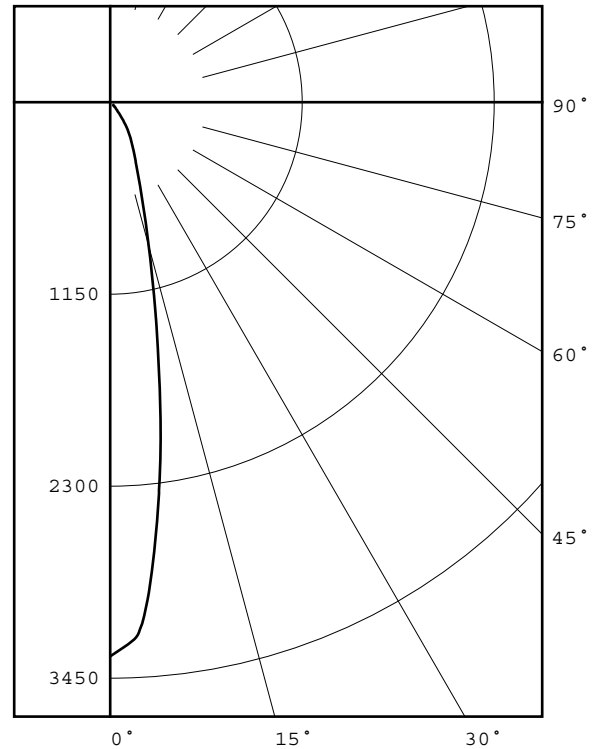
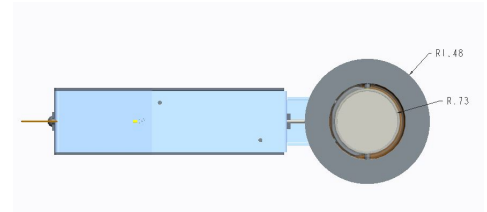
CIE TYPE - DIRECT

LUMINAIRE SPACING CRITERION = 0.3

LUMINOUS DIAMETER: 0.950

LUMINANCE DATA IN CANDELA/SQ METER  
ANGLE AVERAGE  
IN DEG

45	104061.
55	53453.
65	36273.
75	35538.
85	35178.



Checked	<u>X.CAO</u>
Approved	<u>D.WANG-MUNSON</u>

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## ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02055 WHICH WAS  
RDLED2AR8-20YYHC-TW. ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS: 8.143 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%) : 20.4 DEGREES  
FIELD ANGLE (10%): 50.7 DEGREES

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### CANDELA DISTRIBUTION

	0.0
0.0	3320
2.5	3226
5.0	2839
7.5	2272
10.0	1700
12.5	1233
15.0	892
17.5	666
20.0	515
22.5	411
25.0	339
27.5	285
30.0	238
32.5	191
35.0	143
37.5	102
40.0	69
42.5	48
45.0	34
47.5	25
50.0	21
52.5	17
55.0	14
57.5	13
60.0	11
62.5	8
65.0	7
67.5	7
70.0	6
72.5	6
75.0	4
77.5	4
80.0	3
82.5	3
85.0	1
87.5	1
90.0	0

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## ZONAL LUMEN SUMMARY

0- 5	74.
5- 10	159.
10- 15	148.
15- 20	112.
20- 25	87.
25- 30	72.
30- 35	56.
35- 40	35.
40- 45	18.
45- 50	11.
50- 55	7.
55- 60	6.
60- 65	4.
65- 70	3.
70- 75	3.
75- 80	2.
80- 85	1.
85- 90	1.

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	74
5- 10	159
10- 15	148
15- 20	112
20- 25	87
25- 30	72
30- 35	56
35- 40	35
40- 45	18
45- 50	11
50- 55	7
55- 60	6
60- 65	4
65- 70	3
70- 75	3
75- 80	2
80- 85	1
85- 90	1
90- 95	0
95-100	0
100-105	0
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	0
140-145	0
145-150	0
150-155	0
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

### 10-DEGREE ZONAL LUMEN SUMMARY

0- 10	233
0- 20	492
0- 30	652
0- 40	743
0- 50	772
0- 60	785
0- 70	792
0- 80	797
0- 90	799
0-100	799
0-110	799
0-120	799
0-130	799
0-140	799
0-150	799
0-160	799
0-170	799
0-180	799

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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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85
4	101	94	90	86	99	93	89	86	91	87	85	89	86	84	87	85	83	81
5	97	90	85	81	95	89	84	81	87	83	80	86	82	80	84	81	79	78
6	93	86	81	77	92	85	80	77	84	80	77	82	79	76	81	78	76	74
7	90	82	77	74	89	82	77	74	80	76	73	79	76	73	78	75	73	71
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66
10	81	73	69	65	80	73	68	65	72	68	65	72	68	65	71	67	65	64

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)

