

REPORT NUMBER: PRORATED FROM RAB02057

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ISSUE DATE: 06/16/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RDLED2AR8-30Y-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	1696	
5	1610	144
15	843	234
25	319	152
35	146	92
45	47	38
55	23	22
65	14	14
75	8	8
85	3	3
90	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	530	75.0
0- 40	621	88.0
0- 60	681	96.4
0- 90	706	100.0
90-180	0	0.0
0-180	706	100.0

TOTAL INPUT WATTS = 8.2916

EFFICACY = 85.1 Lm/W

CIE TYPE - DIRECT

LUMINAIRE SPACING CRITERION = 0.5

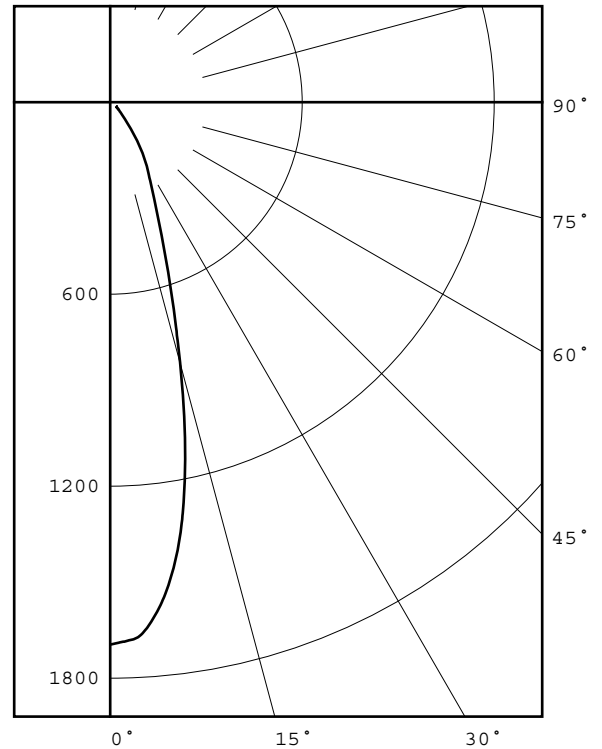
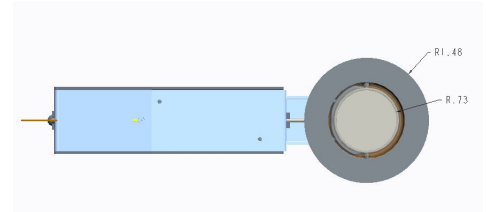
LUMINOUS DIAMETER: 0.950

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

45	144176.
55	88870.
65	73709.
75	65649.
85	64984.



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

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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: 8.2916 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	1696
2.5	1680
5.0	1610
7.5	1485
10.0	1306
12.5	1082
15.0	843
17.5	646
20.0	499
22.5	393
25.0	319
27.5	267
30.0	227
32.5	187
35.0	146
37.5	109
40.0	79
42.5	60
45.0	47
47.5	38
50.0	32
52.5	27
55.0	23
57.5	21
60.0	18
62.5	17
65.0	14
67.5	13
70.0	10
72.5	9
75.0	8
77.5	6
80.0	5
82.5	4
85.0	3
87.5	1
90.0	0

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ZONAL LUMEN SUMMARY

0- 5	40.
5- 10	104.
10- 15	127.
15- 20	108.
20- 25	84.
25- 30	68.
30- 35	55.
35- 40	37.
40- 45	23.
45- 50	16.
50- 55	12.
55- 60	10.
60- 65	8.
65- 70	6.
70- 75	5.
75- 80	3.
80- 85	2.
85- 90	1.

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	40
5- 10	104
10- 15	127
15- 20	108
20- 25	84
25- 30	68
30- 35	55
35- 40	37
40- 45	23
45- 50	16
50- 55	12
55- 60	10
60- 65	8
65- 70	6
70- 75	5
75- 80	3
80- 85	2
85- 90	1

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	144
0- 20	378
0- 30	530
0- 40	621
0- 50	659
0- 60	681
0- 70	695
0- 80	704
0- 90	706

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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)

