

REPORT NUMBER: PRORATED FROM RAB02057

PAGE: 1 OF 8

ISSUE DATE: 06/16/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RDLED2AR8-30YHC-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	1372	
5	1302	116
15	682	189
25	258	123
35	118	74
45	38	31
55	19	17
65	12	12
75	6	7
85	2	2
90	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	428	75.0
0- 40	502	88.0
0- 60	551	96.4
0- 90	571	100.0
90-180	0	0.0
0-180	571	100.0

TOTAL INPUT WATTS = 8.1962

EFFICACY = 69.7 Lm/W

CIE TYPE - DIRECT

LUMINAIRE SPACING CRITERION = 0.5

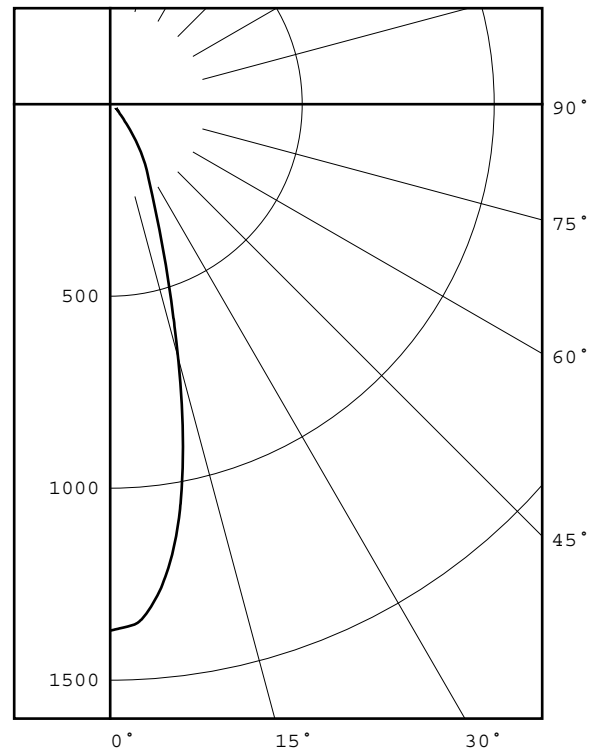
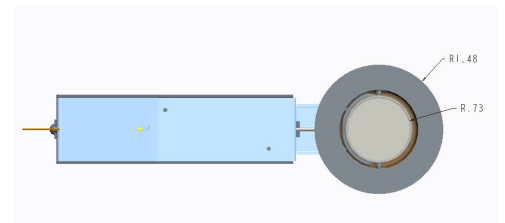
LUMINOUS DIAMETER: 0.950

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

45	116609.
55	71878.
65	59615.
75	53097.
85	52559.



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

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PAGE: 2 OF 8

ADDITIONAL INFORMATION

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

TOTAL INPUT WATTS: 8.1962 W AT 120.0 VOLTS

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE: 28.25 FEET

PREPARED FOR: RAB LIGHTING INC.

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.

REPORT NUMBER: PRORATED FROM RAB02057
ISSUE DATE: 06/16/16
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PAGE: 3 OF 8

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

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ISSUE DATE: 06/16/16
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PAGE: 4 OF 8

CANDELA DISTRIBUTION

	0.0
0.0	1372
2.5	1359
5.0	1302
7.5	1201
10.0	1056
12.5	875
15.0	682
17.5	523
20.0	403
22.5	317
25.0	258
27.5	216
30.0	183
32.5	151
35.0	118
37.5	88
40.0	64
42.5	48
45.0	38
47.5	30
50.0	26
52.5	22
55.0	19
57.5	17
60.0	15
62.5	14
65.0	12
67.5	10
70.0	8
72.5	7
75.0	6
77.5	5
80.0	4
82.5	3
85.0	2
87.5	1
90.0	0

REPORT NUMBER: PRORATED FROM RAB02057
ISSUE DATE: 06/16/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 5 OF 8

ZONAL LUMEN SUMMARY

0- 5	32.
5- 10	84.
10- 15	102.
15- 20	87.
20- 25	68.
25- 30	55.
30- 35	44.
35- 40	30.
40- 45	18.
45- 50	13.
50- 55	10.
55- 60	8.
60- 65	6.
65- 70	5.
70- 75	4.
75- 80	3.
80- 85	2.
85- 90	1.

REPORT NUMBER: PRORATED FROM RAB02057
ISSUE DATE: 06/16/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 8

5-DEGREE ZONAL LUMEN SUMMARY

0- 5	32
5- 10	84
10- 15	102
15- 20	87
20- 25	68
25- 30	55
30- 35	44
35- 40	30
40- 45	18
45- 50	13
50- 55	10
55- 60	8
60- 65	6
65- 70	5
70- 75	4
75- 80	3
80- 85	2
85- 90	1

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	116
0- 20	306
0- 30	428
0- 40	502
0- 50	533
0- 60	551
0- 70	562
0- 80	569
0- 90	571

REPORT NUMBER: PRORATED FROM RAB02057
ISSUE DATE: 06/16/16

PAGE: 7 OF 8

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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.

REPORT NUMBER: PRORATED FROM RAB02057
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PAGE: 8 OF 8

CONE OF LIGHT DIAGRAM

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

